Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.ts	Method	TBLASTX:Soybean
Start	4108	End	4605
GI	none	Score	74
Exons	4108..4200, 4108..4203, 4244..4603, 4255..4602, 4318..4605, 4439..4603		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o2.tc	Method	TBLASTX:Cress
Start	4108	End	4851
GI	none	Score	68
Exons	4108..4173, 4258..4365, 4399..4572, 4424..4573, 4717..4851		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.np	Method	AAT/NAP
Start	4111	End	5987
GI	7486303	Score	922
Exons	4111..4224, 4252..4669, 4700..4992, 5032..5253, 5916..5987		
GI Descrip.	hypothetical protein F28J12.40 - Arabidopsis thaliana gi|2832643|emb|CAA16718.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268631|emb|CAB78840.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o2.ts	Method	TBLASTX:Soybean
Start	4703	End	5208
GI	none	Score	134
Exons	4703..4873, 4714..4851, 4945..4992, 4955..4993, 5095..5208, 5096..5206		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.tc	Method	TBLASTX:Cress
Start	4945	End	5259
GI	none	Score	48
Exons	4945..4992, 4955..4993, 5095..5259, 5096..5209		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o1.gp	Method	AAT/GAP
Start	7216	End	8275
GI	5607601	Score	818
Exons	7216..7611, 8219..8275		
GI Descrip.	4490313/emb|CAB38804.1| 2.0e-13 (AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-

Start	1380	End	10545
Name	OJ000119_22.0331.C60.o2.tm	Method	TBLASTX:Maize
Start	7390	End	10357
GI	none	Score	165
Exons	7390..7614, 7402..7611, 7538..7645, 8210..8344, 8218..8343, 8220..8345, 8373..8546, 8420..8548, 8420..8548, 9601..9711, 9616..9711, 9618..9740, 10240..10356, 10242..10319, 10243..10332, 10256..10357		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o2.np	Method	AAT/NAP
Start	7405	End	10507
GI	7445844	Score	633
Exons	7405..7572, 8219..8344, 8385..8545, 9624..9710, 10246..10507		
GI Descrip.	hypothetical protein F17M5.220 - Arabidopsis thaliana gi|4490313|emb|CAB38804.1| (AL035678) putative protein [Arabidopsis thaliana] gi|7270294|emb|CAB80063.1| (AL161583) putative protein [Arabidopsis thaliana]		

Seq. No.	40089	Seq. ID	OJ000119_22.0331.C60
Gene No.	82904	Strand	-
Start	1380	End	10545
Name	OJ000119_22.0331.C60.o2.gp	Method	AAT/GAP
Start	8420	End	10545
GI	29662_1.R1084	Score	990
Exons	8420..8545, 9624..9710, 10246..10545		
GI Descrip.	'3128206 8.0e-52 (AC004077) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40090	Seq. ID	OJ000119_22.0331.C61
Gene No.	82905	Strand	+
Start	1	End	3444
Name	OJ000119_22.0331.C61.o1.np	Method	AAT/NAP
Start	1	End	3444
GI	6815052	Score	1401
Exons	1..27, 197..322, 1204..1296, 2079..2214, 2263..2960, 3042..3118, 3400..3444		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40090	Seq. ID	OJ000119_22.0331.C61
Gene No.	82905	Strand	+
Start	1	End	3444
Name	OJ000119_22.0331.C61.o1.gs	Method	GENSCAN
Start	1416	End	3117
GI	none	Score	.4
Exons	1416..1508, 2079..3117		

Seq. No.	40090	Seq. ID	OJ000119_22.0331.C61
Gene No.	82905	Strand	+
Start	1	End	3444
Name	OJ000119_22.0331.C61.o1.tw	Method	TBLASTX:Wheat
Start	1530	End	2024
GI	none	Score	298
Exons	1530..2024, 1554..2024		

Seq. No.	40091	Seq. ID	OJ000119_22.0331.C62
Gene No.	82906	Strand	+
Start	1	End	1089
Name	OJ000119_22.0331.C62.o1.np	Method	AAT/NAP
Start	1	End	1086
GI	6815052	Score	429
Exons	1..49, 363..529, 611..686, 968..1086		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40091	Seq. ID	OJ000119_22.0331.C62
Gene No.	82906	Strand	+
Start	1	End	1089
Name	OJ000119_22.0331.C62.o1.gs	Method	GENSCAN
Start	377	End	1089
GI	none	Score	.76
Exons	377..686, 968..1089		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82907	Strand	+
Start	8	End	142
Name	OJ000119_22.0331.C63.o1.gs	Method	GENSCAN
Start	8	End	142
GI	none	Score	.86
Exons	8..142		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82908	Strand	+
Start	230	End	514
Name	OJ000119_22.0331.C63.o1.gp	Method	AAT/GAP
Start	230	End	514
GI	18478_1.R1084	Score	534
Exons	230..514		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82909	Strand	+
Start	2583	End	3086
Name	OJ000119_22.0331.C63.o1.np	Method	AAT/NAP
Start	2583	End	3086
GI	5921832	Score	284
Exons	2583..3086		
GI Descrip.	COPPER TRANSPORTER 1 gi|1082054|emb|CAA90018| (Z49859) copper transporter protein [Arabidopsis thaliana]		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82910	Strand	+
Start	7869	End	9052
Name	OJ000119_22.0331.C63.o3.gs	Method	GENSCAN
Start	7869	End	9052
GI	none	Score	.78
Exons	7869..7890, 8913..9052		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82911	Strand	+
Start	19732	End	20214
Name	OJ000119_22.0331.C63.o4.np	Method	AAT/NAP

Start	19732	End	20214
GI	4510379	Score	154
Exons	19732..19935, 20185..20214		
GI Descrip.	(AC007017) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82911	Strand	+
Start	19732	End	20214
Name	OJ000119_22.0331.C63.o6.gs	Method	GENSCAN
Start	19732	End	19943
GI	none	Score	.81
Exons	19732..19943		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82912	Strand	-
Start	9830	End	10308
Name	OJ000119_22.0331.C63.o4.gs	Method	GENSCAN
Start	9830	End	10308
GI	none	Score	.58
Exons	9830..9888, 10239..10308		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o5.gs	Method	GENSCAN
Start	11456	End	17885
GI	none	Score	.76
Exons	11456..12209, 12429..12725, 13290..13469, 14763..14867, 15059..15104, 15962..16113, 17326..17885		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o2.np	Method	AAT/NAP
Start	11460	End	12148
GI	5902368	Score	357
Exons	11460..11731, 11762..12148		
GI Descrip.	(AC009322) Unknown protein [Arabidopsis thaliana]		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o2.tm	Method	TBLASTX:Maize
Start	11480	End	11872
GI	none	Score	158
Exons	11480..11638, 11483..11641, 11529..11687, 11681..11740, 11682..11741, 11819..11872		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o1.ts	Method	TBLASTX:Soybean
Start	11564	End	12133
GI	none	Score	68
Exons	11564..11638, 11687..11722, 11819..11926, 12038..12133, 12039..12131		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o2.tc	Method	TBLASTX:Cress
Start	11819	End	12133
GI	none	Score	57
Exons	11819..11926, 11841..11924, 12038..12133, 12039..12131		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o5.tm	Method	TBLASTX:Maize
Start	11873	End	12134
GI	none	Score	65
Exons	11873..11926, 11874..11924, 11999..12133, 12018..12134		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o3.np	Method	AAT/NAP
Start	15933	End	17938
GI	7486410	Score	490
Exons	15933..16113, 17326..17540, 17583..17938		
GI Descrip.	hypothetical protein F4D11.190 - Arabidopsis thaliana gi|3063709|emb|CAA18600.1| (AL022537) putative protein [Arabidopsis thaliana] gi|7270165|emb|CAB79978.1| (AL161581) putative protein [Arabidopsis thaliana]		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o2.ts	Method	TBLASTX:Soybean
Start	15940	End	16113
GI	none	Score	108
Exons	15940..16113, 15951..16112		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o3.tm	Method	TBLASTX:Maize
Start	15941	End	16129
GI	none	Score	164
Exons	15941..16117, 15957..16127, 15957..16118, 15958..16128, 15959..16129		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o1.tc	Method	TBLASTX:Cress
Start	15948	End	16113
GI	none	Score	131
Exons	15948..16112, 15967..16113		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82913	Strand	-
Start	11456	End	17938
Name	OJ000119_22.0331.C63.o1.tm	Method	TBLASTX:Maize

Start	17431	End	17741
GI	none	Score	135
Exons	17431..17523, 17433..17525, 17436..17531, 17574..17741, 17575..17682, 17580..17741		

Seq. No.	40092	Seq. ID	OJ000119_22.0331.C63
Gene No.	82914	Strand	
Start	19728	End	19949
Name	OJ000119_22.0331.C63.o4.tm	Method	TBLASTX:Maize
Start	19728	End	19949
GI	none	Score	53
Exons	19728..19748, 19729..19749, 19828..19947, 19833..19949		

Seq. No.	40093	Seq. ID	OJ000119_22.0331.C64
Gene No.	82915	Strand	+
Start	246	End	1427
Name	OJ000119_22.0331.C64.o1.np	Method	AAT/NAP
Start	246	End	464
GI	4510379	Score	97
Exons	246..464		
GI Descrip.	(AC007017) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40093	Seq. ID	OJ000119_22.0331.C64
Gene No.	82915	Strand	+
Start	246	End	1427
Name	OJ000119_22.0331.C64.o1.tm	Method	TBLASTX:Maize
Start	249	End	712
GI	none	Score	144
Exons	249..536, 252..536, 259..537, 275..586, 506..643, 538..636, 668..712		

Seq. No.	40093	Seq. ID	OJ000119_22.0331.C64
Gene No.	82915	Strand	+
Start	246	End	1427
Name	OJ000119_22.0331.C64.o1.gs	Method	GENSCAN
Start	252	End	1427
GI	none	Score	.59
Exons	252..632, 1316..1427		

Seq. No.	40094	Seq. ID	OJ000119_22.0331.C65
Gene No.	82916	Strand	-
Start	5784	End	7465
Name	OJ000119_22.0331.C65.o1.np	Method	AAT/NAP
Start	5784	End	7465
GI	6671947	Score	191
Exons	5784..5822, 5898..5981, 6056..6139, 6312..6438, 7442..7465		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	40094	Seq. ID	OJ000119_22.0331.C65
Gene No.	82916	Strand	-
Start	5784	End	7465
Name	OJ000119_22.0331.C65.o2.gs	Method	GENSCAN
Start	5874	End	6428
GI	none	Score	.86
Exons	5874..5981, 6312..6428		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82917	Strand	+
Start	1	End	2814
Name	OJ000119_22.0331.C67.o1.np	Method	AAT/NAP
Start	1	End	2651
GI	7488908	Score	1372
Exons	1..236, 373..616, 697..801, 1036..1218, 1739..1940, 2096..2651		
GI Descrip.	beta-glucosidase (EC 3.2.1.21) - common nasturtium gi|3201554|emb|CAA07070.1| (AJ006501) beta-D-glucosidase [Tropaeolum majus]		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82917	Strand	+
Start	1	End	2814
Name	OJ000119_22.0331.C67.o1.gs	Method	GENSCAN
Start	356	End	2814
GI	none	Score	.64
Exons	356..616, 697..801, 1036..1218, 1835..1940, 2096..2579, 2703..2814		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o1.tw	Method	TBLASTX:Wheat
Start	341	End	625
GI	none	Score	341
Exons	341..625, 364..594		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o1.tm	Method	TBLASTX:Maize
Start	370	End	2574
GI	none	Score	346
Exons	370..585, 374..613, 377..616, 694..804, 696..800, 1036..1218, 1036..1218, 1734..1919, 1735..1944, 1736..1942, 1753..1944, 2092..2181, 2094..2168, 2134..2574, 2202..2393, 2290..2574		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o1.tc	Method	TBLASTX:Cress
Start	377	End	1182
GI	none	Score	313
Exons	377..616, 379..594, 694..804, 696..800, 1036..1182		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o1.ts	Method	TBLASTX:Soybean
Start	557	End	2565
GI	none	Score	82
Exons	557..616, 560..613, 690..800, 694..804, 696..800, 1036..1218, 1036..1218, 1037..1252, 1736..1891, 1738..1926, 1771..1929, 2091..2393, 2092..2415, 2409..2564, 2410..2565, 2413..2529, 2414..2530		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o2.tw	Method	TBLASTX:Wheat
Start	732	End	1930
GI	none	Score	98
Exons	732..800, 733..804, 1036..1218, 1036..1230, 1735..1926, 1736..1891, 1742..1930		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o3.tc	Method	TBLASTX:Cress
Start	1753	End	2325
GI	none	Score	80
Exons	1753..1797, 1754..1810, 1781..1891, 1822..1926, 2094..2279, 2095..2325		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o2.tc	Method	TBLASTX:Cress
Start	2344	End	2570
GI	none	Score	314
Exons	2344..2559, 2382..2570, 2383..2556		

Seq. No.	40095	Seq. ID	OJ000119_22.0331.C67
Gene No.	82918	Strand	-
Start	3414	End	4388
Name	OJ000119_22.0331.C67.o2.gs	Method	GENSCAN
Start	3414	End	4388
GI	none	Score	.61
Exons	3414..3649, 3711..4022, 4145..4388		

Seq. No.	40096	Seq. ID	OJ000119_22.0331.C68
Gene No.	82919	Strand	+
Start	211	End	718
Name	OJ000119_22.0331.C68.o1.gs	Method	GENSCAN
Start	211	End	718
GI	none	Score	.88
Exons	211..373, 695..718		

Seq. No.	40096	Seq. ID	OJ000119_22.0331.C68
Gene No.	82920	Strand	+
Start	3559	End	4248
Name	OJ000119_22.0331.C68.o2.gs	Method	GENSCAN
Start	3559	End	4248
GI	none	Score	.96
Exons	3559..4248		

Seq. No.	40097	Seq. ID	OJ000119_22.0331.C69
Gene No.	82921	Strand	+
Start	1	End	5716
Name	OJ000119_22.0331.C69.o3.np	Method	AAT/NAP
Start	1	End	3701
GI	5042454	Score	248
Exons	1..57, 2859..3388, 3648..3701		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	40097	Seq. ID	OJ000119_22.0331.C69
Gene No.	82921	Strand	+
Start	1	End	5716
Name	OJ000119_22.0331.C69.o1.gs	Method	GENSCAN
Start	77	End	917
GI	none	Score	.83
Exons	77..193, 870..917		

Seq. No.	40097	Seq. ID	OJ000119_22.0331.C69
Gene No.	82921	Strand	+
Start	1	End	5716
Name	OJ000119_22.0331.C69.o2.gs	Method	GENSCAN
Start	3326	End	5716
GI	none	Score	.89
Exons	3326..3388, 3648..3818, 4878..4956, 5688..5716		

Seq. No.	40097	Seq. ID	OJ000119_22.0331.C69
Gene No.	82922	Strand	-
Start	1	End	2173
Name	OJ000119_22.0331.C69.o1.np	Method	AAT/NAP
Start	1	End	2173
GI	6539570	Score	94
Exons	1..135, 1757..1825, 1981..2173		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	40097	Seq. ID	OJ000119_22.0331.C69
Gene No.	82923	Strand	-
Start	2795	End	2917
Name	OJ000119_22.0331.C69.o2.np	Method	AAT/NAP
Start	2795	End	2917
GI	7523512	Score	153
Exons	2795..2917		

GI Descrip. (AP001633) hypothetical protein [Oryza sativa]

Seq. No.	40098	Seq. ID	OJ000229_25.0322.C6
Gene No.	82924	Strand	-
Start	1	End	920
Name	OJ000229_25.0322.C6.o1.np	Method	AAT/NAP
Start	1	End	744
GI	7432996	Score	704
Exons	1..27, 106..480, 569..744		

GI Descrip. probable laccase (EC 1.10.3.2) - rice (fragment)
gi|2920654|gb|AAC04576.1| (AF047697) putative high-pI laccase [Oryza sativa]

Seq. No.	40098	Seq. ID	OJ000229_25.0322.C6
Gene No.	82924	Strand	-
Start	1	End	920
Name	OJ000229_25.0322.C6.o1.gs	Method	GENSCAN
Start	11	End	920
GI	none	Score	.93
Exons	11..71, 106..480, 569..720, 816..920		

Seq. No.	40098	Seq. ID	OJ000229_25.0322.C6
Gene No.	82924	Strand	-

Start	1	End	920
Name	OJ000229_25.0322.C6.o1.ts	Method	TBLASTX:Soybean
Start	156	End	751
GI	none	Score	250
Exons	156..479, 157..480, 213..482,	545..751,	565..750

Seq. No.	40098	Seq. ID	OJ000229_25.0322.C6
Gene No.	82924	Strand	-
Start	1	End	920
Name	OJ000229_25.0322.C6.o1.tw	Method	TBLASTX:Wheat
Start	189	End	479
GI	none	Score	269
Exons	189..479, 205..477		

Seq. No.	40098	Seq. ID	OJ000229_25.0322.C6
Gene No.	82924	Strand	-
Start	1	End	920
Name	OJ000229_25.0322.C6.o1.tc	Method	TBLASTX:Cress
Start	192	End	646
GI	none	Score	233
Exons	192..479, 193..480, 195..482,	565..642,	569..646

Seq. No.	40098	Seq. ID	OJ000229_25.0322.C6
Gene No.	82924	Strand	-
Start	1	End	920
Name	OJ000229_25.0322.C6.o1.tm	Method	TBLASTX:Maize
Start	198	End	627
GI	none	Score	298
Exons	198..479, 214..480, 228..482,	565..627	

Seq. No.	40099	Seq. ID	OJ000229_25.0322.C20
Gene No.	82925	Strand	+
Start	1	End	792
Name	OJ000229_25.0322.C20.o1.np	Method	AAT/NAP
Start	1	End	792
GI	6633851	Score	312
Exons	1..37, 249..382, 462..571,	747..792	
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	40099	Seq. ID	OJ000229_25.0322.C20
Gene No.	82925	Strand	+
Start	1	End	792
Name	OJ000229_25.0322.C20.o1.gp	Method	AAT/GAP
Start	196	End	571
GI	14753_1.R1084	Score	429
Exons	196..382, 462..571		
GI Descrip.	'3080427/emb|CAA18746.1| 1.0e-79 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	40099	Seq. ID	OJ000229_25.0322.C20
Gene No.	82925	Strand	+
Start	1	End	792
Name	OJ000229_25.0322.C20.o1.tc	Method	TBLASTX:Cress
Start	237	End	569
GI	none	Score	67
Exons	237..377, 241..378, 242..379,	242..382,	441..569, 461..568

Seq. No.	40099	Seq. ID	OJ000229_25.0322.C20
Gene No.	82925	Strand	+
Start	1	End	792
Name	OJ000229_25.0322.C20.o1.tm	Method	TBLASTX:Maize
Start	241	End	571
GI	none	Score	201
Exons	241..384, 242..382, 243..389, 441..569, 461..571		

Seq. No.	40099	Seq. ID	OJ000229_25.0322.C20
Gene No.	82925	Strand	+
Start	1	End	792
Name	OJ000229_25.0322.C20.o1.ts	Method	TBLASTX:Soybean
Start	242	End	569
GI	none	Score	201
Exons	242..379, 250..378, 435..533, 441..569, 461..568		

Seq. No.	40099	Seq. ID	OJ000229_25.0322.C20
Gene No.	82925	Strand	+
Start	1	End	792
Name	OJ000229_25.0322.C20.o1.tw	Method	TBLASTX:Wheat
Start	434	End	569
GI	none	Score	191
Exons	434..568, 435..569, 462..569		

Seq. No.	40100	Seq. ID	OJ000229_25.0322.C22
Gene No.	82926	Strand	+
Start	123	End	197
Name	OJ000229_25.0322.C22.o1.gs	Method	GENSCAN
Start	123	End	197
GI	none	Score	.45
Exons	123..197		

Seq. No.	40101	Seq. ID	OJ000229_25.0322.C23
Gene No.	82927	Strand	-
Start	54	End	1766
Name	OJ000229_25.0322.C23.o1.gs	Method	GENSCAN
Start	54	End	1766
GI	none	Score	.84
Exons	54..609, 1735..1766		

Seq. No.	40102	Seq. ID	OJ000229_25.0322.C24
Gene No.	82928	Strand	+
Start	486	End	2008
Name	OJ000229_25.0322.C24.o1.tw	Method	TBLASTX:Wheat
Start	467	End	1576
GI	none	Score	198
Exons	467..613, 470..610, 1303..1365, 1315..1365, 1512..1544, 1516..1548, 1517..1543, 1535..1576, 1535..1573		

Seq. No.	40102	Seq. ID	OJ000229_25.0322.C24
Gene No.	82928	Strand	+
Start	486	End	2008
Name	OJ000229_25.0322.C24.o1.tm	Method	TBLASTX:Maize
Start	473	End	1738
GI	none	Score	154
Exons	473..610, 474..602, 479..613, 1303..1365, 1314..1376, 1513..1608, 1516..1608, 1517..1615, 1706..1738, 1707..1736		

Seq. No.	40102	Seq. ID	OJ000229_25.0322.C24
Gene No.	82928	Strand	+
Start	486	End	2008
Name	OJ000229_25.0322.C24.o1.gs	Method	GENSCAN
Start	486	End	1610
GI	none	Score	.73
Exons	486..610, 874..909, 1318..1363, 1517..1610		

Seq. No.	40102	Seq. ID	OJ000229_25.0322.C24
Gene No.	82928	Strand	+
Start	486	End	2008
Name	OJ000229_25.0322.C24.o1.np	Method	AAT/NAP
Start	495	End	2008
GI	7269405	Score	344
Exons	495..610, 1318..1363, 1517..1619, 1672..2008		
GI Descrip.	(AL161563) putative protein [Arabidopsis thaliana]		

Seq. No.	40102	Seq. ID	OJ000229_25.0322.C24
Gene No.	82928	Strand	+
Start	486	End	2008
Name	OJ000229_25.0322.C24.o1.ts	Method	TBLASTX:Soybean
Start	575	End	1738
GI	none	Score	66
Exons	575..613, 1314..1376, 1319..1366, 1513..1608, 1516..1608, 1517..1615, 1706..1738, 1714..1737		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82929	Strand	+
Start	1	End	1160
Name	OJ000229_25.0322.C26.o1.np	Method	AAT/NAP
Start	1	End	1160
GI	6041814	Score	133
Exons	1..35, 897..1160		
GI Descrip.	(AC009918) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82930	Strand	+
Start	4602	End	6607
Name	OJ000229_25.0322.C26.o1.gp	Method	AAT/GAP
Start	4528	End	6607
GI	2851_1.R1084	Score	1519
Exons	4528..4635, 4727..4872, 5041..5166, 6144..6607		
GI Descrip.	'4510363/gb|AAD21451.1| 3.0e-66 (AC007017) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82930	Strand	+
Start	4602	End	6607
Name	OJ000229_25.0322.C26.o2.np	Method	AAT/NAP
Start	4602	End	6281
GI	4510363	Score	576
Exons	4602..4631, 4729..4872, 5041..5166, 6144..6281		
GI Descrip.	(AC007017) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26

Gene No.	82930	Strand	+
Start	4602	End	6607
Name	OJ000229_25.0322.C26.o3.gs	Method	GENSCAN
Start	4602	End	6284
GI	none	Score	.78
Exons	4602..4635, 4727..4872, 5041..5166, 6144..6284		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82931	Strand	-
Start	1704	End	3298
Name	OJ000229_25.0322.C26.o2.gs	Method	GENSCAN
Start	1704	End	3298
GI	none	Score	.88
Exons	1704..1759, 2105..2163, 2946..3298		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82932	Strand	-
Start	6024	End	8211
Name	OJ000229_25.0322.C26.o1.ts	Method	TBLASTX:Soybean
Start	4578	End	6284
GI	none	Score	35
Exons	4578..4652, 4726..4824, 4813..4872, 5023..5181, 5043..5168, 6143..6283, 6144..6284		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82932	Strand	-
Start	6024	End	8211
Name	OJ000229_25.0322.C26.o1.tm	Method	TBLASTX:Maize
Start	4726	End	6284
GI	none	Score	126
Exons	4726..4824, 4813..4872, 5023..5169, 5043..5168, 6143..6283, 6144..6284		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82932	Strand	-
Start	6024	End	8211
Name	OJ000229_25.0322.C26.o1.tw	Method	TBLASTX:Wheat
Start	4768	End	6284
GI	none	Score	83
Exons	4768..4824, 4813..4872, 5023..5169, 5043..5168, 6143..6283, 6144..6284, 6153..6284		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82932	Strand	-
Start	6024	End	8211
Name	OJ000229_25.0322.C26.o3.np	Method	AAT/NAP
Start	6024	End	8211
GI	5852093	Score	50
Exons	6024..6063, 7752..7862, 8157..8211		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82932	Strand	-
Start	6024	End	8211
Name	OJ000229_25.0322.C26.o2.tc	Method	TBLASTX:Cress
Start	6140	End	6311
GI	none	Score	77

Exons	6140..6286, 6143..6286, 6144..6311, 6168..6287		
Seq. No.	40103	Seq. ID	OJ000229_25.0322.C26
Gene No.	82932	Strand	-
Start	6024	End	8211
Name	OJ000229_25.0322.C26.o4.gs	Method	GENSCAN
Start	6979	End	8196
GI	none	Score	.72
Exons	6979..7057, 8072..8196		
Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82933	Strand	+
Start	61	End	419
Name	OJ000229_25.0322.C27.o1.gs	Method	GENSCAN
Start	61	End	419
GI	none	Score	.64
Exons	61..129, 190..216, 297..419		
Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82934	Strand	+
Start	1301	End	2399
Name	OJ000229_25.0322.C27.o2.gs	Method	GENSCAN
Start	1301	End	2289
GI	none	Score	.88
Exons	1301..1930, 1975..2289		
Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82934	Strand	+
Start	1301	End	2399
Name	OJ000229_25.0322.C27.o1.gp	Method	AAT/GAP
Start	1355	End	2399
GI	473_1.R1084	Score	2002
Exons	1355..2399		
GI Descrip.	'4539452/emb|CAB39932.1| 4.0e-13 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		
Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82935	Strand	-
Start	848	End	2190
Name	OJ000229_25.0322.C27.o1.np	Method	AAT/NAP
Start	848	End	2190
GI	7489487	Score	1387
Exons	848..901, 1299..2190		
GI Descrip.	hypothetical protein EL3 - rice gi|1841391|dbj|BAA10904.1| (D64039) EL3 [Oryza sativa]		
Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82936	Strand	-
Start	3749	End	5718
Name	OJ000229_25.0322.C27.o1.tw	Method	TBLASTX:Wheat
Start	1367	End	1750
GI	none	Score	38
Exons	1367..1393, 1465..1560, 1465..1746, 1466..1750, 1537..1650		
Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82936	Strand	-
Start	3749	End	5718

Name	OJ000229_25.0322.C27.o1.ts	Method	TBLASTX:Soybean
Start	1456	End	2232
GI	none	Score	159
Exons	1456..1593, 1457..1594, 1613..1672, 1624..1677, 1712..1876, 1846..1959, 1850..1960, 1966..2043, 1968..2066, 2053..2232, 2058..2144		

Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82936	Strand	-
Start	3749	End	5718
Name	OJ000229_25.0322.C27.o2.tm	Method	TBLASTX:Maize
Start	1457	End	1677
GI	none	Score	134
Exons	1457..1567, 1473..1559, 1474..1566, 1475..1567, 1580..1672, 1600..1677		

Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82936	Strand	-
Start	3749	End	5718
Name	OJ000229_25.0322.C27.o1.tc	Method	TBLASTX:Cress
Start	1459	End	2232
GI	none	Score	130
Exons	1459..1572, 1460..1579, 1612..1677, 1613..1672, 1711..1872, 1712..1876, 1850..1963, 1951..2232, 1971..2144		

Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82936	Strand	-
Start	3749	End	5718
Name	OJ000229_25.0322.C27.o1.tm	Method	TBLASTX:Maize
Start	1715	End	2226
GI	none	Score	81
Exons	1715..1870, 1846..1959, 1850..1960, 1998..2117, 2011..2100, 2107..2178, 2179..2226		

Seq. No.	40104	Seq. ID	OJ000229_25.0322.C27
Gene No.	82936	Strand	-
Start	3749	End	5718
Name	OJ000229_25.0322.C27.o3.gs	Method	GENSCAN
Start	3749	End	5718
GI	none	Score	.56
Exons	3749..3924, 3993..4128, 4228..4365, 4742..4801, 5641..5718		

Seq. No.	40105	Seq. ID	OJ000229_25.0322.C28
Gene No.	82937	Strand	+
Start	620	End	783
Name	OJ000229_25.0322.C28.o1.gs	Method	GENSCAN
Start	620	End	783
GI	none	Score	.55
Exons	620..783		

Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o1.gp	Method	AAT/GAP
Start	1	End	164
GI	572324	Score	305
Exons	1..164		

GI Descrip.	4539452/emb|CAB39932.1| 4.0e-13 (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		
Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o1.np	Method	AAT/NAP
Start	1	End	873
GI	7488056	Score	1094
Exons	1..873		
GI Descrip.	probable anthranilate phosphoribosyltransferase (EC 2.4.2.18) T5C23.40 - Arabidopsis thaliana gi|4539452|emb|CAB39932.1| (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana] gi|7267861|emb|CAB78204.1| (AL161532) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		
Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o1.gs	Method	GENSCAN
Start	13	End	690
GI	none	Score	.58
Exons	13..690		
Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o1.tc	Method	TBLASTX:Cress
Start	112	End	872
GI	none	Score	56
Exons	112..240, 567..683, 568..684, 684..872, 686..871		
Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o2.ts	Method	TBLASTX:Soybean
Start	148	End	441
GI	none	Score	226
Exons	148..315, 158..424, 159..437, 231..437, 376..441		
Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o2.tm	Method	TBLASTX:Maize
Start	183	End	555
GI	none	Score	62
Exons	183..284, 184..315, 193..537, 194..544, 363..548, 376..555		
Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o2.tc	Method	TBLASTX:Cress
Start	253	End	555
GI	none	Score	47
Exons	253..312, 363..437, 364..444, 376..444, 474..542, 475..555		

Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o1.ts	Method	TBLASTX:Soybean
Start	467	End	872
GI	none	Score	63
Exons	467..562, 469..579, 471..545, 686..871	565..681, 579..641, 684..872,	

Seq. No.	40106	Seq. ID	OJ000229_25.0322.C29
Gene No.	82938	Strand	+
Start	1	End	873
Name	OJ000229_25.0322.C29.o1.tm	Method	TBLASTX:Maize
Start	573	End	872
GI	none	Score	180
Exons	573..725, 574..684, 684..872,	684..872	

Seq. No.	40107	Seq. ID	OJ000229_25.0322.C31
Gene No.	82939	Strand	-
Start	407	End	1278
Name	OJ000229_25.0322.C31.o1.gs	Method	GENSCAN
Start	407	End	1278
GI	none	Score	.7
Exons	407..530, 1211..1278		

Seq. No.	40108	Seq. ID	OJ000229_25.0322.C32
Gene No.	82940	Strand	+
Start	252	End	338
Name	OJ000229_25.0322.C32.o1.gs	Method	GENSCAN
Start	252	End	338
GI	none	Score	.41
Exons	252..338		

Seq. No.	40108	Seq. ID	OJ000229_25.0322.C32
Gene No.	82941	Strand	+
Start	2314	End	2673
Name	OJ000229_25.0322.C32.o1.gp	Method	AAT/GAP
Start	2314	End	2673
GI	none	Score	700
Exons	2314..2673		

Seq. No.	40108	Seq. ID	OJ000229_25.0322.C32
Gene No.	82942	Strand	-
Start	2095	End	2669
Name	OJ000229_25.0322.C32.o2.gs	Method	GENSCAN
Start	2095	End	2669
GI	none	Score	.76
Exons	2095..2335, 2463..2629, 2640..2669		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82943	Strand	+
Start	1	End	1909
Name	OJ000229_25.0322.C33.o1.np	Method	AAT/NAP
Start	1	End	1879
GI	2459442	Score	207
Exons	1..80, 117..259, 662..716, 849..964, 1099..1264, 1652..1879		
GI Descrip.	(AC002332) AT-hook DNA-binding protein (AHP1) [Arabidopsis		

thaliana]

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82943	Strand	+
Start	1	End	1909
Name	OJ000229_25.0322.C33.o1.gs	Method	GENSCAN
Start	18	End	1909
GI	none	Score	.96
Exons	18..270, 646..716, 849..1013, 1115..1264, 1652..1909		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82944	Strand	+
Start	1820	End	2164
Name	OJ000229_25.0322.C33.o1.gp	Method	AAT/GAP
Start	1820	End	2164
GI	1944306	Score	631
Exons	1820..2164		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o3.tm	Method	TBLASTX:Maize
Start	47	End	1242
GI	none	Score	84
Exons	47..76, 86..115, 101..250, 198..254, 647..718, 648..716, 650..721, 808..960, 846..962, 846..950, 851..958, 991..1014, 992..1018, 1103..1177, 1112..1156, 1171..1242, 1172..1219		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o2.gs	Method	GENSCAN
Start	2310	End	5479
GI	none	Score	.79
Exons	2310..2339, 2426..2593, 3696..3797, 4907..5094, 5212..5479		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o2.tm	Method	TBLASTX:Maize
Start	2313	End	3457
GI	none	Score	205
Exons	2313..2351, 2412..2594, 2426..2605, 2427..2639, 2428..2595, 2695..2778, 2696..2779, 2746..2823, 2772..2822, 3201..3275, 3359..3457		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o2.np	Method	AAT/NAP
Start	2313	End	3755
GI	6179602	Score	566
Exons	2313..2339, 2426..2604, 2706..2821, 3215..3276, 3357..3433, 3696..3755		
GI Descrip.	(AJ238744) glutathione peroxidase-like protein GPX15Hv [Hordeum vulgare]		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o2.tc	Method	TBLASTX:Cress
Start	2316	End	3439
GI	none	Score	192
Exons	2316..2351, 2426..2605, 2427..2594, 2427..2639, 2449..2595, 2695..2778, 2696..2779, 2772..2822, 3201..3275, 3359..3439		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o1.tw	Method	TBLASTX:Wheat
Start	2426	End	2813
GI	none	Score	75
Exons	2426..2509, 2427..2510, 2519..2605, 2520..2594, 2695..2778, 2696..2779, 2748..2813		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o2.ts	Method	TBLASTX:Soybean
Start	2426	End	3439
GI	none	Score	218
Exons	2426..2623, 2427..2594, 2427..2624, 2428..2595, 2695..2778, 2696..2779, 2746..2823, 2772..2822, 3222..3275, 3351..3431, 3359..3439		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o1.tm	Method	TBLASTX:Maize
Start	4658	End	5401
GI	none	Score	248
Exons	4658..5401, 4659..4913, 4664..5392		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o1.ts	Method	TBLASTX:Soybean
Start	4658	End	5491
GI	none	Score	242
Exons	4658..5491, 4662..4916, 4663..4917, 4664..5482, 5304..5486		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o3.np	Method	AAT/NAP
Start	4661	End	5497
GI	7488056	Score	1233
Exons	4661..5497		
GI Descrip.	probable anthranilate phosphoribosyltransferase (EC 2.4.2.18) T5C23.40 - Arabidopsis thaliana gi|4539452|emb|CAB39932.1| (AL049500) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana] gi|7267861|emb|CAB78204.1| (AL161532) putative phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	40109	Seq. ID	OJ000229_25.0322.C33
Gene No.	82945	Strand	-
Start	2310	End	5497
Name	OJ000229_25.0322.C33.o1.tc	Method	TBLASTX:Cress
Start	4731	End	5426
GI	none	Score	143
Exons	4731..4955, 4755..4913, 4757..5422, 4775..5116, 5019..5252, 5094..5426, 5147..5416, 5304..5423		

Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82946	Strand	+
Start	6619	End	7074
Name	OJ000229_25.0322.C34.o1.gp	Method	AAT/GAP
Start	6619	End	7074
GI	2119_2.R1084	Score	710
Exons	6619..6896, 6984..7074		
GI Descrip.	'2129774/pir||S71223 7.0e-17 xyloglucan endotransglycosylase-related protein XTR4 - Arabidopsis thaliana (fragment) >gi_1244754 (U43486) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana]'		

Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82946	Strand	+
Start	6619	End	7074
Name	OJ000229_25.0322.C34.o2.np	Method	AAT/NAP
Start	6693	End	7074
GI	6522567	Score	268
Exons	6693..6896, 6984..7074		
GI Descrip.	(AL132967) 4-coumarate-CoA ligase-like protein [Arabidopsis thaliana]		

Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82947	Strand	-
Start	1	End	429
Name	OJ000229_25.0322.C34.o1.np	Method	AAT/NAP
Start	1	End	383
GI	7487678	Score	428
Exons	1..383		
GI Descrip.	hypothetical protein T5C23.50 - Arabidopsis thaliana gi|4539453|emb|CAB39933.1| (AL049500) putative protein [Arabidopsis thaliana] gi|7267862|emb|CAB78205.1| (AL161532) putative protein [Arabidopsis thaliana]		

Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82947	Strand	-
Start	1	End	429
Name	OJ000229_25.0322.C34.o2.tm	Method	TBLASTX:Maize
Start	3	End	161
GI	none	Score	200
Exons	3..161, 4..159		

Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82947	Strand	-
Start	1	End	429
Name	OJ000229_25.0322.C34.o1.ts	Method	TBLASTX:Soybean
Start	141	End	384

GI	none	Score	186
Exons	141..380, 142..384		
Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82947	Strand	-
Start	1	End	429
Name	OJ000229_25.0322.C34.o2.tc	Method	TBLASTX:Cress
Start	141	End	369
GI	none	Score	136
Exons	141..365, 196..369		
Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82947	Strand	-
Start	1	End	429
Name	OJ000229_25.0322.C34.o1.tm	Method	TBLASTX:Maize
Start	171	End	429
GI	none	Score	280
Exons	171..395, 172..429		
Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82948	Strand	
Start	6734	End	7074
Name	OJ000229_25.0322.C34.o2.ts	Method	TBLASTX:Soybean
Start	6734	End	7073
GI	none	Score	60
Exons	6734..6784, 6741..6791, 6846..6896, 6855..6893, 6978..7073, 6983..7072		
Seq. No.	40110	Seq. ID	OJ000229_25.0322.C34
Gene No.	82948	Strand	
Start	6734	End	7074
Name	OJ000229_25.0322.C34.o1.tc	Method	TBLASTX:Cress
Start	6741	End	7074
GI	none	Score	115
Exons	6741..6896, 6854..6895, 6978..7073, 6983..7072, 6994..7074		
Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82949	Strand	+
Start	1	End	1890
Name	OJ000229_25.0322.C35.o1.np	Method	AAT/NAP
Start	1	End	1027
GI	6522567	Score	1355
Exons	1..1027		
GI Descrip.	(AL132967) 4-coumarate-CoA ligase-like protein [Arabidopsis thaliana]		
Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82949	Strand	+
Start	1	End	1890
Name	OJ000229_25.0322.C35.o1.gs	Method	GENSCAN
Start	62	End	1890
GI	none	Score	.97
Exons	62..1041, 1320..1465, 1502..1736, 1839..1890		
Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82950	Strand	-
Start	1	End	1211

Name	OJ000229_25.0322.C35.o1.gp	Method	AAT/GAP
Start	1	End	1211
GI	2119_1.R1084	Score	2275
Exons	1..1211		
GI Descrip.	'3184098/emb|CAA19311.1| 1.0e-81 (AL023777) coenzyme a synthetase [Schizosaccharomyces pombe]'		

Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82950	Strand	-
Start	1	End	1211
Name	OJ000229_25.0322.C35.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1039
GI	none	Score	1279
Exons	2..91, 7..498, 8..1039, 562..654, 712..1017		

Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82950	Strand	-
Start	1	End	1211
Name	OJ000229_25.0322.C35.o1.tm	Method	TBLASTX:Maize
Start	65	End	1024
GI	none	Score	297
Exons	65..316, 67..315, 277..810, 320..811, 665..835, 812..1024, 813..920, 815..1024		

Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82950	Strand	-
Start	1	End	1211
Name	OJ000229_25.0322.C35.o1.tc	Method	TBLASTX:Cress
Start	182	End	784
GI	none	Score	813
Exons	182..784, 187..498, 494..538, 562..660, 665..775, 712..783		

Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82950	Strand	-
Start	1	End	1211
Name	OJ000229_25.0322.C35.o2.tc	Method	TBLASTX:Cress
Start	794	End	1018
GI	none	Score	309
Exons	794..1018, 802..1014		

Seq. No.	40111	Seq. ID	OJ000229_25.0322.C35
Gene No.	82950	Strand	-
Start	1	End	1211
Name	OJ000229_25.0322.C35.o1.tw	Method	TBLASTX:Wheat
Start	845	End	1021
GI	none	Score	249
Exons	845..1021, 845..1018, 847..1020		

Seq. No.	40112	Seq. ID	OJ000229_25.0322.C36
Gene No.	82951	Strand	-
Start	1	End	5437
Name	OJ000229_25.0322.C36.o1.np	Method	AAT/NAP
Start	1	End	4205
GI	6633847	Score	776
Exons	1..117, 173..393, 466..653, 1216..1559, 2226..2355, 2454..2596, 2675..2771, 3220..3358, 4124..4205		
GI Descrip.	(AC008047) F2K11.19 [Arabidopsis thaliana]		

Seq. No.	40112	Seq. ID	OJ000229_25.0322.C36
Gene No.	82951	Strand	-
Start	1	End	5437
Name	OJ000229_25.0322.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	2270
GI	none	Score	152
Exons	1..117, 5..118, 5..118, 6..119, 7..120, 180..437, 185..394, 186..407, 463..552, 467..655, 468..656, 468..656, 589..660, 666..701, 1288..1362, 1289..1363, 1290..1364, 1403..1525, 1425..1532, 1426..1533, 2205..2270		

Seq. No.	40112	Seq. ID	OJ000229_25.0322.C36
Gene No.	82951	Strand	-
Start	1	End	5437
Name	OJ000229_25.0322.C36.o1.tc	Method	TBLASTX:Cress
Start	1	End	373
GI	none	Score	74
Exons	1..108, 2..88, 230..373, 231..371		

Seq. No.	40112	Seq. ID	OJ000229_25.0322.C36
Gene No.	82951	Strand	-
Start	1	End	5437
Name	OJ000229_25.0322.C36.o1.gp	Method	AAT/GAP
Start	188	End	712
GI	4969171	Score	779
Exons	188..393, 466..712		

Seq. No.	40112	Seq. ID	OJ000229_25.0322.C36
Gene No.	82951	Strand	-
Start	1	End	5437
Name	OJ000229_25.0322.C36.o1.gs	Method	GENSCAN
Start	188	End	5437
GI	none	Score	.75
Exons	188..393, 466..714, 1291..1361, 2676..2747, 3220..3358, 3812..3866, 4006..4148, 5371..5437		

Seq. No.	40112	Seq. ID	OJ000229_25.0322.C36
Gene No.	82951	Strand	-
Start	1	End	5437
Name	OJ000229_25.0322.C36.o1.tw	Method	TBLASTX:Wheat
Start	461	End	685
GI	none	Score	171
Exons	461..682, 464..685, 465..683, 466..684		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82952	Strand	+
Start	5517	End	7646
Name	OJ000229_25.0322.C37.o2.gs	Method	GENSCAN
Start	5517	End	7646
GI	none	Score	.89
Exons	5517..5890, 6058..6359, 7438..7646		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82952	Strand	+
Start	5517	End	7646
Name	OJ000229_25.0322.C37.o2.np	Method	AAT/NAP

Start	5544	End	5980
GI	2398533	Score	200
Exons	5544..5620, 5663..5980		
GI Descrip.	(Y13725) Transcription factor [Arabidopsis thaliana]		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82952	Strand	+
Start	5517	End	7646
Name	OJ000229_25.0322.C37.o3.np	Method	AAT/NAP
Start	6239	End	6382
GI	7340884	Score	86
Exons	6239..6382		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82953	Strand	-
Start	1415	End	4710
Name	OJ000229_25.0322.C37.o1.gs	Method	GENSCAN
Start	1415	End	4710
GI	none	Score	.68
Exons	1415..1574, 2133..2239, 2377..2464, 2783..2859, 2941..3113, 4075..4149, 4338..4710		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82953	Strand	-
Start	1415	End	4710
Name	OJ000229_25.0322.C37.o1.tm	Method	TBLASTX:Maize
Start	2563	End	3060
GI	none	Score	148
Exons	2563..2667, 2565..2666, 2566..2667, 2567..2668, 2568..2672, 2768..2848, 2778..2861, 2778..2861, 2779..2862, 2782..2877, 2941..3060, 2941..3057, 2954..3058		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82954	Strand	
Start	5580	End	5864
Name	OJ000229_25.0322.C37.o1.tc	Method	TBLASTX:Cress
Start	5580	End	5864
GI	none	Score	60
Exons	5580..5618, 5588..5617, 5675..5848, 5676..5864		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82954	Strand	
Start	5580	End	5864
Name	OJ000229_25.0322.C37.o1.ts	Method	TBLASTX:Soybean
Start	5580	End	5864
GI	none	Score	61
Exons	5580..5618, 5676..5864, 5678..5848		

Seq. No.	40113	Seq. ID	OJ000229_25.0322.C37
Gene No.	82954	Strand	
Start	5580	End	5864
Name	OJ000229_25.0322.C37.o2.tm	Method	TBLASTX:Maize
Start	5586	End	5855
GI	none	Score	52
Exons	5586..5618, 5676..5855, 5678..5854		

Seq. No.	40114	Seq. ID	OJ000229_25.0322.C39
Gene No.	82955	Strand	+
Start	571	End	1056
Name	OJ000229_25.0322.C39.o1.gs	Method	GENSCAN
Start	571	End	1056
GI	none	Score	.61
Exons	571..655, 805..1056		

Seq. No.	40115	Seq. ID	OJ000229_25.0322.C40
Gene No.	82956	Strand	-
Start	1	End	1337
Name	OJ000229_25.0322.C40.o1.np	Method	AAT/NAP
Start	1	End	1337
GI	6466937	Score	621
Exons	1..110, 299..1337		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	40115	Seq. ID	OJ000229_25.0322.C40
Gene No.	82956	Strand	-
Start	1	End	1337
Name	OJ000229_25.0322.C40.o1.tw	Method	TBLASTX:Wheat
Start	23	End	657
GI	none	Score	118
Exons	23..118, 298..645, 298..657		

Seq. No.	40115	Seq. ID	OJ000229_25.0322.C40
Gene No.	82956	Strand	-
Start	1	End	1337
Name	OJ000229_25.0322.C40.o1.gs	Method	GENSCAN
Start	283	End	1275
GI	none	Score	.64
Exons	283..1275		

Seq. No.	40115	Seq. ID	OJ000229_25.0322.C40
Gene No.	82956	Strand	-
Start	1	End	1337
Name	OJ000229_25.0322.C40.o1.tm	Method	TBLASTX:Maize
Start	298	End	747
GI	none	Score	88
Exons	298..747, 356..523, 611..688		

Seq. No.	40115	Seq. ID	OJ000229_25.0322.C40
Gene No.	82956	Strand	-
Start	1	End	1337
Name	OJ000229_25.0322.C40.o1.ts	Method	TBLASTX:Soybean
Start	418	End	618
GI	none	Score	100
Exons	418..618, 419..595, 421..618		

Seq. No.	40116	Seq. ID	OJ000229_25.0322.C42
Gene No.	82957	Strand	-
Start	1	End	2703
Name	OJ000229_25.0322.C42.o1.np	Method	AAT/NAP
Start	1	End	2703
GI	7413543	Score	805

Exons	1..121, 206..292, 513..653, 1100..1227, 2160..2703		
GI Descrip.	(AL162972) putative protein [Arabidopsis thaliana]		
Seq. No.	40116	Seq. ID	OJ000229_25.0322.C42
Gene No.	82957	Strand	-
Start	1	End	2703
Name	OJ000229_25.0322.C42.o1.gs	Method	GENSCAN
Start	36	End	2547
GI	none	Score	.85
Exons	36..121, 513..653, 1100..1227, 2160..2547		
Seq. No.	40116	Seq. ID	OJ000229_25.0322.C42
Gene No.	82957	Strand	-
Start	1	End	2703
Name	OJ000229_25.0322.C42.o1.tm	Method	TBLASTX:Maize
Start	2160	End	2431
GI	none	Score	204
Exons	2160..2417, 2160..2207, 2199..2378, 2321..2431		
Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82958	Strand	+
Start	50	End	6347
Name	OJ000229_25.0322.C43.o1.gs	Method	GENSCAN
Start	50	End	6347
GI	none	Score	.63
Exons	50..202, 632..774, 833..929, 1976..2125, 2236..2343, 2381..2655, 5118..5338, 6241..6347		
Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82959	Strand	-
Start	7320	End	8139
Name	OJ000229_25.0322.C43.o1.gp	Method	AAT/GAP
Start	7320	End	8077
GI	LIB3433-051-P1-K1-H7	Score	954
Exons	7320..7537, 7627..7750, 7856..8077		
GI Descrip.	'4678222/gb|AAD26967.1|AC007135_3 1.0e-25 (AC007135) unknown protein [Arabidopsis thaliana]'		
Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82959	Strand	-
Start	7320	End	8139
Name	OJ000229_25.0322.C43.o1.np	Method	AAT/NAP
Start	7325	End	8139
GI	6006893	Score	370
Exons	7325..7537, 7627..7750, 7856..8139		
GI Descrip.	(AC008153) unknown protein [Arabidopsis thaliana]		
Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o2.tc	Method	TBLASTX:Cress
Start	7331	End	8010
GI	none	Score	75
Exons	7331..7624, 7344..7478, 7612..7752, 7858..8010, 7862..8005		
Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-

Start	9075	End	11884
Name	OJ000229_25.0322.C43.o2.gp	Method	AAT/GAP
Start	9075	End	11332
GI	12252_1.R1084	Score	1850
Exons	9075..9576, 9989..10280, 10537..10650, 11244..11332		
GI Descrip.	'3047104 8.0e-25 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o1.tm	Method	TBLASTX:Maize
Start	9983	End	11397
GI	none	Score	66
Exons	9983..10027, 9985..10029, 9985..10026, 10029..10310, 10030..10281, 10030..10311, 10037..10282, 10537..10653, 10541..10651, 10542..10652, 11244..11393, 11244..11393, 11245..11397		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o1.tc	Method	TBLASTX:Cress
Start	10021	End	10302
GI	none	Score	187
Exons	10021..10281, 10056..10292, 10087..10302		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o2.np	Method	AAT/NAP
Start	10041	End	11884
GI	6633851	Score	602
Exons	10041..10280, 10537..10650, 11244..11354, 11771..11884		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o1.ts	Method	TBLASTX:Soybean
Start	10045	End	11815
GI	none	Score	175
Exons	10045..10308, 10056..10307, 10534..10653, 10544..10651, 11244..11339, 11244..11405, 11246..11407, 11732..11815, 11733..11813		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o3.tc	Method	TBLASTX:Cress
Start	10537	End	11882
GI	none	Score	70
Exons	10537..10653, 10537..10653, 11244..11405, 11245..11340, 11732..11881, 11736..11882		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-

Start	9075	End	11884
Name	OJ000229_25.0322.C43.o2.tm	Method	TBLASTX:Maize
Start	11717	End	11883
GI	none	Score	118
Exons	11717..11881, 11735..11875, 11736..11882, 11737..11883, 11781..11882		

Seq. No.	40117	Seq. ID	OJ000229_25.0322.C43
Gene No.	82960	Strand	-
Start	9075	End	11884
Name	OJ000229_25.0322.C43.o3.gp	Method	AAT/GAP
Start	11757	End	11884
GI	14753_1.R1084	Score	256
Exons	11757..11884		
GI Descrip.	'3080427/emb|CAA18746.1| 1.0e-79 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82961	Strand	+
Start	105	End	181
Name	OJ000229_25.0322.C44.o1.gp	Method	AAT/GAP
Start	105	End	181
GI	14753_1.R1084	Score	102
Exons	105..181		
GI Descrip.	'3080427/emb|CAA18746.1| 1.0e-79 (AL022604) putative protein [Arabidopsis thaliana]'		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660
Name	OJ000229_25.0322.C44.o1.np	Method	AAT/NAP
Start	1	End	3437
GI	6633851	Score	401
Exons	1..284, 1002..1279, 3296..3437		
GI Descrip.	(AC008047) F2K11.13 [Arabidopsis thaliana]		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660
Name	OJ000229_25.0322.C44.o2.ts	Method	TBLASTX:Soybean
Start	92	End	263
GI	none	Score	93
Exons	92..241, 94..243, 118..258, 119..259, 123..263		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660
Name	OJ000229_25.0322.C44.o1.tm	Method	TBLASTX:Maize
Start	116	End	1837
GI	none	Score	40
Exons	116..136, 123..257, 129..260, 139..258, 1057..1155, 1059..1112, 1112..1252, 1113..1271, 1113..1280, 1114..1284, 1751..1801, 1790..1837		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660

Name	OJ000229_25.0322.C44.o1.gs	Method	GENSCAN
Start	123	End	3660
GI	none	Score	.65
Exons	123..258, 960..1279, 1744..1852, 1880..2028, 2439..2605, 3479..3660		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660
Name	OJ000229_25.0322.C44.o1.tc	Method	TBLASTX:Cress
Start	172	End	1281
GI	none	Score	93
Exons	172..258, 1056..1259, 1057..1281, 1057..1242, 1059..1277		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660
Name	OJ000229_25.0322.C44.o1.ts	Method	TBLASTX:Soybean
Start	1059	End	1275
GI	none	Score	193
Exons	1059..1274, 1060..1275		

Seq. No.	40118	Seq. ID	OJ000229_25.0322.C44
Gene No.	82962	Strand	-
Start	1	End	3660
Name	OJ000229_25.0322.C44.o2.gp	Method	AAT/GAP
Start	1119	End	2169
GI	31993_1.R1084	Score	754
Exons	1119..1279, 1744..1852, 2029..2169		
GI Descrip.	'3047104 2.0e-13 (AF058919) No definition line found [Arabidopsis thaliana]'		

Seq. No.	40119	Seq. ID	OJ000229_25.0322.C47
Gene No.	82963	Strand	+
Start	38	End	959
Name	OJ000229_25.0322.C47.o1.gs	Method	GENSCAN
Start	38	End	859
GI	none	Score	.69
Exons	38..97, 742..859		

Seq. No.	40119	Seq. ID	OJ000229_25.0322.C47
Gene No.	82963	Strand	+
Start	38	End	959
Name	OJ000229_25.0322.C47.o1.gp	Method	AAT/GAP
Start	561	End	959
GI	none	Score	759
Exons	561..959		

Seq. No.	40120	Seq. ID	OJ000209_25.0320.C3
Gene No.	82964	Strand	+
Start	1	End	2938
Name	OJ000209_25.0320.C3.o1.np	Method	AAT/NAP
Start	1	End	2938
GI	7523490	Score	92
Exons	1..57, 2702..2938		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40120	Seq. ID	OJ000209_25.0320.C3
Gene No.	82964	Strand	+
Start	1	End	2938
Name	OJ000209_25.0320.C3.o1.gs	Method	GENSCAN
Start	439	End	600
GI	none	Score	.89
Exons	439..600		

Seq. No.	40120	Seq. ID	OJ000209_25.0320.C3
Gene No.	82965	Strand	+
Start	8422	End	9369
Name	OJ000209_25.0320.C3.o4.gs	Method	GENSCAN
Start	8422	End	9369
GI	none	Score	.46
Exons	8422..9369		

Seq. No.	40120	Seq. ID	OJ000209_25.0320.C3
Gene No.	82966	Strand	-
Start	5273	End	6352
Name	OJ000209_25.0320.C3.o3.gs	Method	GENSCAN
Start	5273	End	6352
GI	none	Score	.87
Exons	5273..5605, 6290..6352		

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82967	Strand	+
Start	1	End	4394
Name	OJ000209_25.0320.C4.o1.np	Method	AAT/NAP
Start	1	End	2646
GI	3549626	Score	765
Exons	1..33, 460..1503, 2615..2646		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82967	Strand	+
Start	1	End	4394
Name	OJ000209_25.0320.C4.o4.np	Method	AAT/NAP
Start	608	End	4394
GI	5734709	Score	451
Exons	608..1512, 4252..4394		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82967	Strand	+
Start	1	End	4394
Name	OJ000209_25.0320.C4.o1.gs	Method	GENSCAN
Start	2985	End	4087
GI	none	Score	.75
Exons	2985..3136, 3554..3698, 3871..3927, 4028..4087		

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82968	Strand	+
Start	15030	End	15104
Name	OJ000209_25.0320.C4.o5.np	Method	AAT/NAP
Start	15030	End	15104
GI	6006359	Score	46

Exons 15030..15104
GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o3.np	Method	AAT/NAP
Start	48	End	3465
GI	7340884	Score	96

Exons 48..72, 3033..3100, 3314..3465
GI Descrip. (AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o1.tm	Method	TBLASTX:Maize
Start	526	End	1490
GI	none	Score	404

Exons 526..921, 543..671, 732..899, 928..1092, 1064..1252, 1077..1490, 1391..1471

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o1.ts	Method	TBLASTX:Soybean
Start	529	End	1331
GI	none	Score	198

Exons 529..750, 598..765, 772..924, 783..899, 934..1092, 1070..1249, 1074..1250, 1077..1331

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o1.tc	Method	TBLASTX:Cress
Start	538	End	9802
GI	none	Score	359

Exons 538..927, 619..867, 783..899, 940..1092, 1064..1252, 1074..1490, 9591..9671, 9737..9802

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o1.tw	Method	TBLASTX:Wheat
Start	622	End	1005
GI	none	Score	353

Exons 622..921, 638..712, 720..899, 946..1005

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4
Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o2.tw	Method	TBLASTX:Wheat
Start	1006	End	1279
GI	none	Score	66

Exons 1006..1068, 1077..1271, 1079..1279

Seq. No.	40121	Seq. ID	OJ000209_25.0320.C4

Gene No.	82969	Strand	-
Start	48	End	9802
Name	OJ000209_25.0320.C4.o2.np	Method	AAT/NAP
Start	2840	End	4422
GI	7523488	Score	83
Exons	2840..3154, 4395..4422		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82970	Strand	+
Start	3154	End	3846
Name	OJ000209_25.0320.C5.o2.np	Method	AAT/NAP
Start	3154	End	3846
GI	7489812	Score	386
Exons	3154..3188, 3246..3418, 3564..3846		
GI Descrip.	probable cytochrome P450 monooxygenase - maize (fragment) gi|2995384|emb|CAA06156.1| (AJ004810) cytochrome P450 monooxygenase [Zea mays]		

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82971	Strand	-
Start	1037	End	2536
Name	OJ000209_25.0320.C5.o1.np	Method	AAT/NAP
Start	1037	End	2536
GI	140291	Score	321
Exons	1037..1397, 2495..2536		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82971	Strand	-
Start	1037	End	2536
Name	OJ000209_25.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	1038	End	1381
GI	none	Score	48
Exons	1038..1118, 1049..1117, 1087..1140, 1091..1141, 1129..1230, 1135..1236, 1136..1237, 1219..1374, 1220..1381, 1226..1378		

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82971	Strand	-
Start	1037	End	2536
Name	OJ000209_25.0320.C5.o2.tc	Method	TBLASTX:Cress
Start	1038	End	1381
GI	none	Score	34
Exons	1038..1109, 1127..1237, 1128..1256, 1220..1378, 1226..1381, 1233..1379		

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82972	Strand	
Start	3075	End	3845
Name	OJ000209_25.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	3075	End	3845
GI	none	Score	165
Exons	3075..3179, 3076..3183, 3077..3181, 3080..3208, 3195..3251, 3195..3248, 3202..3249, 3203..3274, 3246..3320, 3252..3407,		

3254..3406, 3392..3439, 3598..3795, 3598..3795, 3605..3820, 3606..3821, 3786..3845, 3791..3844

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82972	Strand	
Start	3075	End	3845
Name	OJ000209_25.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	3075	End	3427
GI	none	Score	288
Exons	3075..3248, 3076..3249, 3077..3250, 3080..3256, 3081..3251, 3252..3320, 3252..3407, 3254..3406, 3392..3427		

Seq. No.	40122	Seq. ID	OJ000209_25.0320.C5
Gene No.	82972	Strand	
Start	3075	End	3845
Name	OJ000209_25.0320.C5.o2.tm	Method	TBLASTX:Maize
Start	3075	End	3303
GI	none	Score	258
Exons	3075..3248, 3080..3250, 3080..3265, 3081..3251, 3082..3255, 3241..3303, 3245..3301		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82973	Strand	+
Start	604	End	857
Name	OJ000209_25.0320.C7.o1.gs	Method	GENSCAN
Start	604	End	857
GI	none	Score	.51
Exons	604..857		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82974	Strand	+
Start	5200	End	11175
Name	OJ000209_25.0320.C7.o3.gs	Method	GENSCAN
Start	5200	End	11146
GI	none	Score	.56
Exons	5200..6036, 6399..6497, 6885..9560, 9713..10159, 10574..11146		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82974	Strand	+
Start	5200	End	11175
Name	OJ000209_25.0320.C7.o1.np	Method	AAT/NAP
Start	6614	End	11175
GI	4680179	Score	4453
Exons	6614..7656, 7759..11175		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82975	Strand	-
Start	2389	End	2922
Name	OJ000209_25.0320.C7.o2.gs	Method	GENSCAN
Start	2389	End	2922
GI	none	Score	.99
Exons	2389..2922		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82976	Strand	
Start	6830	End	7478

Name	OJ000209_25.0320.C7.o8.tw	Method	TBLASTX:Wheat
Start	6830	End	7196
GI	none	Score	72
Exons	6830..6919, 6918..7196		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82976	Strand	
Start	6830	End	7478
Name	OJ000209_25.0320.C7.o5.tm	Method	TBLASTX:Maize
Start	7077	End	7478
GI	none	Score	218
Exons	7077..7478		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82977	Strand	
Start	7787	End	8198
Name	OJ000209_25.0320.C7.o8.tm	Method	TBLASTX:Maize
Start	7787	End	8113
GI	none	Score	189
Exons	7787..7900, 7788..8111, 7791..7928, 8030..8113		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82977	Strand	
Start	7787	End	8198
Name	OJ000209_25.0320.C7.o7.tw	Method	TBLASTX:Wheat
Start	7794	End	8198
GI	none	Score	167
Exons	7794..8015, 7794..7847, 7838..8002, 8045..8143, 8046..8198		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82978	Strand	
Start	8211	End	8408
Name	OJ000209_25.0320.C7.o6.tm	Method	TBLASTX:Maize
Start	8211	End	8408
GI	none	Score	196
Exons	8211..8408, 8261..8407		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82979	Strand	
Start	8339	End	9158
Name	OJ000209_25.0320.C7.o4.tw	Method	TBLASTX:Wheat
Start	8339	End	8822
GI	none	Score	535
Exons	8339..8794, 8340..8822, 8367..8813		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82979	Strand	
Start	8339	End	9158
Name	OJ000209_25.0320.C7.o3.tm	Method	TBLASTX:Maize
Start	8409	End	8876
GI	none	Score	387
Exons	8409..8876, 8481..8657		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82979	Strand	
Start	8339	End	9158
Name	OJ000209_25.0320.C7.o1.ts	Method	TBLASTX:Soybean

Start	8763	End	9158
GI	none	Score	56
Exons	8763..8795, 8763..8795, 8780..8875, 8799..9158, 8799..9107, 8915..9130		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82979	Strand	
Start	8339	End	9158
Name	OJ000209_25.0320.C7.o6.tw	Method	TBLASTX:Wheat
Start	8871	End	9143
GI	none	Score	322
Exons	8871..9143, 8871..9137, 8915..9142		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82980	Strand	
Start	9059	End	9551
Name	OJ000209_25.0320.C7.o2.tm	Method	TBLASTX:Maize
Start	9059	End	9485
GI	none	Score	442
Exons	9059..9130, 9060..9485, 9182..9484		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82980	Strand	
Start	9059	End	9551
Name	OJ000209_25.0320.C7.o3.tw	Method	TBLASTX:Wheat
Start	9144	End	9551
GI	none	Score	564
Exons	9144..9551, 9182..9538		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82980	Strand	
Start	9059	End	9551
Name	OJ000209_25.0320.C7.o3.ts	Method	TBLASTX:Soybean
Start	9180	End	9425
GI	none	Score	213
Exons	9180..9425		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82981	Strand	
Start	9641	End	10233
Name	OJ000209_25.0320.C7.o2.tw	Method	TBLASTX:Wheat
Start	9641	End	10165
GI	none	Score	575
Exons	9641..10165, 9715..10161		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82981	Strand	
Start	9641	End	10233
Name	OJ000209_25.0320.C7.o1.tc	Method	TBLASTX:Cress
Start	9872	End	10189
GI	none	Score	101
Exons	9872..10045, 9893..10045, 10046..10189, 10048..10173		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82981	Strand	
Start	9641	End	10233
Name	OJ000209_25.0320.C7.o2.ts	Method	TBLASTX:Soybean

Start	9958	End	10213
GI	none	Score	302
Exons	9958..10212, 9965..10213, 10085..10213		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82981	Strand	
Start	9641	End	10233
Name	OJ000209_25.0320.C7.o4.tm	Method	TBLASTX:Maize
Start	9972	End	10233
GI	none	Score	105
Exons	9972..10136, 9973..10233, 9974..10231		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82982	Strand	
Start	10172	End	11131
Name	OJ000209_25.0320.C7.o1.tw	Method	TBLASTX:Wheat
Start	10172	End	10798
GI	none	Score	648
Exons	10172..10798, 10228..10674, 10319..10747		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82982	Strand	
Start	10172	End	11131
Name	OJ000209_25.0320.C7.o1.tm	Method	TBLASTX:Maize
Start	10351	End	10948
GI	none	Score	80
Exons	10351..10503, 10352..10504, 10355..10513, 10360..10506, 10509..10592, 10510..10692, 10510..10653, 10511..10948, 10729..10938		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82982	Strand	
Start	10172	End	11131
Name	OJ000209_25.0320.C7.o5.tw	Method	TBLASTX:Wheat
Start	10798	End	11131
GI	none	Score	371
Exons	10798..11067, 10799..11131, 10805..11110		

Seq. No.	40123	Seq. ID	OJ000209_25.0320.C7
Gene No.	82982	Strand	
Start	10172	End	11131
Name	OJ000209_25.0320.C7.o7.tm	Method	TBLASTX:Maize
Start	10958	End	11116
GI	none	Score	190
Exons	10958..11116		

Seq. No.	40124	Seq. ID	OJ000209_25.0320.C9
Gene No.	82983	Strand	-
Start	1	End	985
Name	OJ000209_25.0320.C9.o1.np	Method	AAT/NAP
Start	1	End	985
GI	7228442	Score	938
Exons	1..985		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o1.np	Method	AAT/NAP
Start	3818	End	12326
GI	7512280	Score	43
Exons	3818..3960, 5544..5631, 6066..6226, 6322..6544, 12306..12326		
GI Descrip.	ALR protein - human gi|2358287|gb|AAC51735.1| (AF010404) ALR [Homo sapiens]		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o2.gp	Method	AAT/GAP
Start	7070	End	7130
GI	2312838	Score	73
Exons	7070..7130		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o3.gs	Method	GENSCAN
Start	10334	End	11917
GI	none	Score	.71
Exons	10334..11338, 11456..11917		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o2.np	Method	AAT/NAP
Start	10415	End	12326
GI	100484	Score	1468
Exons	10415..10600, 10643..12326		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o2.ts	Method	TBLASTX:Soybean
Start	10982	End	11392
GI	none	Score	76
Exons	10982..11092, 11150..11392, 11158..11364		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o1.tc	Method	TBLASTX:Cress
Start	11134	End	11473
GI	none	Score	275
Exons	11134..11280, 11135..11473		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o1.tw	Method	TBLASTX:Wheat

Start	11261	End	11560
GI	none	Score	236
Exons	11261..11560, 11318..11560		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o1.tm	Method	TBLASTX:Maize
Start	11315	End	11760
GI	none	Score	259
Exons	11315..11560, 11318..11458, 11326..11535, 11580..11759, 11581..11760		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o1.ts	Method	TBLASTX:Soybean
Start	11602	End	11829
GI	none	Score	208
Exons	11602..11829, 11604..11744		

Seq. No.	40125	Seq. ID	OJ000209_25.0320.C10
Gene No.	82984	Strand	+
Start	3818	End	12326
Name	OJ000209_25.0320.C10.o2.tm	Method	TBLASTX:Maize
Start	11761	End	12144
GI	none	Score	57
Exons	11761..11847, 11916..12134, 11917..12144, 11989..12144		

Seq. No.	40126	Seq. ID	OJ000209_25.0320.C11
Gene No.	82985	Strand	+
Start	213	End	1492
Name	OJ000209_25.0320.C11.o1.gs	Method	GENSCAN
Start	213	End	1492
GI	none	Score	.75
Exons	213..315, 591..719, 788..829, 1260..1492		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82986	Strand	+
Start	10828	End	18945
Name	OJ000209_25.0320.C13.o2.gs	Method	GENSCAN
Start	10828	End	13463
GI	none	Score	.73
Exons	10828..10945, 11371..11498, 11563..11746, 12748..12797, 12882..13463		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82986	Strand	+
Start	10828	End	18945
Name	OJ000209_25.0320.C13.o2.np	Method	AAT/NAP
Start	12834	End	18945
GI	5922631	Score	6514
Exons	12834..12958, 13217..13461, 13720..13914, 13960..14546, 14589..14739, 14866..15790, 16397..17904, 17930..18945		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa]		

gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o7.tm	Method	TBLASTX:Maize
Start	1598	End	2410
GI	none	Score	75
Exons	1598..1756, 1598..1753, 1628..1711, 1690..1755, 1739..1867, 1739..1858, 1743..1865, 1755..1868, 1755..1868, 1761..1874, 1763..1867, 1764..1874, 1769..1876, 1908..2030, 1908..2027, 1910..2038, 1913..2023, 1916..2053, 1916..2029, 1922..2023, 1923..2072, 1924..2076, 1940..2062, 1984..2073, 2011..2103, 2012..2104, 2064..2156, 2065..2157, 2065..2157, 2087..2164, 2099..2245, 2100..2258, 2106..2252, 2115..2249, 2135..2245, 2138..2224, 2138..2266, 2139..2270, 2141..2266, 2142..2267, 2145..2246, 2145..2270, 2269..2379, 2278..2382, 2289..2384, 2292..2372, 2294..2410, 2295..2378, 2300..2395, 2302..2379, 2303..2410, 2307..2378		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o6.tm	Method	TBLASTX:Maize
Start	4210	End	4564
GI	none	Score	105
Exons	4210..4452, 4216..4401, 4217..4522, 4489..4563, 4511..4564		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o10.tw	Method	TBLASTX:Wheat
Start	5035	End	5289
GI	none	Score	182
Exons	5035..5289		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o1.tm	Method	TBLASTX:Maize
Start	5101	End	5715
GI	none	Score	84
Exons	5101..5715, 5372..5695		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o1.tc	Method	TBLASTX:Cress
Start	5350	End	5721
GI	none	Score	223
Exons	5350..5721		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-

Start	19324	End	20243
Name	OJ000209_25.0320.C13.o2.ts	Method	TBLASTX:Soybean
Start	5377	End	5787
GI	none	Score	223
Exons	5377..5787		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o8.tw	Method	TBLASTX:Wheat
Start	14151	End	14552
GI	none	Score	255
Exons	14151..14552		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o6.tw	Method	TBLASTX:Wheat
Start	15163	End	15564
GI	none	Score	315
Exons	15163..15564, 15303..15548		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o1.tw	Method	TBLASTX:Wheat
Start	15807	End	16263
GI	none	Score	462
Exons	15807..16262, 15808..16263		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o3.tm	Method	TBLASTX:Maize
Start	15937	End	16293
GI	none	Score	365
Exons	15937..16293, 15978..16169		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o8.tm	Method	TBLASTX:Maize
Start	16297	End	16590
GI	none	Score	199
Exons	16297..16590, 16299..16340, 16425..16583		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o3.tw	Method	TBLASTX:Wheat
Start	16378	End	16779
GI	none	Score	379
Exons	16378..16779, 16422..16778, 16516..16779		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243

Name	OJ000209_25.0320.C13.o1.ts	Method	TBLASTX:Soybean
Start	16426	End	16788
GI	none	Score	246
Exons	16426..16788, 16473..16616, 16489..16617		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o4.tm	Method	TBLASTX:Maize
Start	16596	End	16928
GI	none	Score	233
Exons	16596..16787, 16597..16806, 16788..16928		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o7.tw	Method	TBLASTX:Wheat
Start	16788	End	17084
GI	none	Score	264
Exons	16788..17084, 16791..16910, 16992..17069		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o5.tw	Method	TBLASTX:Wheat
Start	17088	End	17510
GI	none	Score	365
Exons	17088..17510, 17093..17434		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o9.tw	Method	TBLASTX:Wheat
Start	17526	End	17867
GI	none	Score	134
Exons	17526..17660, 17529..17669, 17566..17673, 17714..17860, 17727..17867, 17754..17864		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o2.tm	Method	TBLASTX:Maize
Start	17823	End	18210
GI	none	Score	99
Exons	17823..17903, 17931..18158, 17932..18159, 18163..18210		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o4.tw	Method	TBLASTX:Wheat
Start	17986	End	18348
GI	none	Score	370
Exons	17986..18348, 17991..18332		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243

Name	OJ000209_25.0320.C13.o2.tw	Method	TBLASTX:Wheat
Start	18355	End	18969
GI	none	Score	351
Exons	18355..18846, 18375..18443, 18510..18617, 18832..18969		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o5.tm	Method	TBLASTX:Maize
Start	18676	End	18930
GI	none	Score	163
Exons	18676..18849, 18828..18929, 18829..18930		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o3.np	Method	AAT/NAP
Start	19324	End	20243
GI	6691716	Score	719
Exons	19324..19762, 19836..19956, 20105..20243		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40127	Seq. ID	OJ000209_25.0320.C13
Gene No.	82987	Strand	-
Start	19324	End	20243
Name	OJ000209_25.0320.C13.o4.gs	Method	GENSCAN
Start	19420	End	20200
GI	none	Score	.98
Exons	19420..19596, 19635..19762, 20011..20200		

Seq. No.	40128	Seq. ID	OJ000209_25.0320.C14
Gene No.	82988	Strand	+
Start	3811	End	7702
Name	OJ000209_25.0320.C14.o2.gs	Method	GENSCAN
Start	3811	End	7702
GI	none	Score	.66
Exons	3811..3872, 3966..4423, 6329..6468, 6566..6692, 7602..7702		

Seq. No.	40128	Seq. ID	OJ000209_25.0320.C14
Gene No.	82989	Strand	-
Start	1	End	1405
Name	OJ000209_25.0320.C14.o1.np	Method	AAT/NAP
Start	1	End	1405
GI	6691716	Score	982
Exons	1..110, 189..368, 423..517, 574..760, 958..1405		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40128	Seq. ID	OJ000209_25.0320.C14
Gene No.	82989	Strand	-
Start	1	End	1405
Name	OJ000209_25.0320.C14.o1.gs	Method	GENSCAN
Start	189	End	1230
GI	none	Score	.81

Exons	189..340, 582..802, 958..1230		
Seq. No.	40128	Seq. ID	OJ000209_25.0320.C14
Gene No.	82990	Strand	-
Start	3311	End	3746
Name	OJ000209_25.0320.C14.o1.gp	Method	AAT/GAP
Start	3311	End	3746
GI	none	Score	849
Exons	3311..3746		
Seq. No.	40129	Seq. ID	OJ000209_25.0320.C15
Gene No.	82991	Strand	-
Start	480	End	2500
Name	OJ000209_25.0320.C15.o1.gs	Method	GENSCAN
Start	480	End	2500
GI	none	Score	.54
Exons	480..622, 2401..2500		
Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82992	Strand	+
Start	8947	End	19679
Name	OJ000209_25.0320.C16.o3.np	Method	AAT/NAP
Start	8947	End	19679
GI	6175155	Score	78
Exons	8947..9017, 9926..9987, 10370..10477, 13216..13391, 19545..19679		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82992	Strand	+
Start	8947	End	19679
Name	OJ000209_25.0320.C16.o4.gs	Method	GENSCAN
Start	15761	End	16757
GI	none	Score	.77
Exons	15761..15838, 16238..16409, 16519..16757		
Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82992	Strand	+
Start	8947	End	19679
Name	OJ000209_25.0320.C16.o4.np	Method	AAT/NAP
Start	19494	End	19679
GI	6907088	Score	214
Exons	19494..19679		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82993	Strand	-
Start	4519	End	10181
Name	OJ000209_25.0320.C16.o2.gs	Method	GENSCAN
Start	4519	End	7642
GI	none	Score	.5
Exons	4519..5762, 6098..6244, 7003..7642		
Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82993	Strand	-
Start	4519	End	10181
Name	OJ000209_25.0320.C16.o1.np	Method	AAT/NAP
Start	4555	End	7912

GI	3355308	Score	1000
Exons	4555..5768, 6098..6244, 7003..7582, 7615..7912		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82993	Strand	-
Start	4519	End	10181
Name	OJ000209_25.0320.C16.o2.np	Method	AAT/NAP
Start	4633	End	10181
GI	6587820	Score	853
Exons	4633..5798, 6155..6247, 7012..7310, 7358..7829, 10123..10181		
GI Descrip.	(AC010924) Contains similarity to gb|AJ009695 wall-associated kinase 4 from Arabidopsis thaliana and contains a protein kinase PF|00069 domain.		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82994	Strand	-
Start	18942	End	19562
Name	OJ000209_25.0320.C16.o1.tm	Method	TBLASTX:Maize
Start	4703	End	5667
GI	none	Score	259
Exons	4703..5233, 4708..5247, 5251..5667, 5275..5601, 5300..5623		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82994	Strand	-
Start	18942	End	19562
Name	OJ000209_25.0320.C16.o1.tc	Method	TBLASTX:Cress
Start	4708	End	7393
GI	none	Score	206
Exons	4708..5280, 4946..5233, 5278..5709, 5300..5620, 7022..7105, 7145..7189, 7241..7288, 7352..7393		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82994	Strand	-
Start	18942	End	19562
Name	OJ000209_25.0320.C16.o1.ts	Method	TBLASTX:Soybean
Start	4879	End	5685
GI	none	Score	173
Exons	4879..5259, 4928..5158, 4933..5244, 5088..5252, 5278..5427, 5300..5392, 5302..5427, 5449..5685, 5450..5623		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82994	Strand	-
Start	18942	End	19562
Name	OJ000209_25.0320.C16.o2.tw	Method	TBLASTX:Wheat
Start	4894	End	5181
GI	none	Score	81
Exons	4894..5073, 4952..5068, 5074..5181		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82994	Strand	-
Start	18942	End	19562
Name	OJ000209_25.0320.C16.o1.tw	Method	TBLASTX:Wheat
Start	5194	End	5596
GI	none	Score	228
Exons	5194..5253, 5278..5577, 5300..5596		

Seq. No.	40130	Seq. ID	OJ000209_25.0320.C16
Gene No.	82994	Strand	-
Start	18942	End	19562
Name	OJ000209_25.0320.C16.o5.gs	Method	GENSCAN
Start	18942	End	19562
GI	none	Score	.68
Exons	18942..19006, 19508..19562		

Seq. No.	40131	Seq. ID	OJ000209_25.0320.C17
Gene No.	82995	Strand	+
Start	118	End	1338
Name	OJ000209_25.0320.C17.o1.np	Method	AAT/NAP
Start	118	End	1338
GI	6907086	Score	977
Exons	118..881, 939..1338		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40131	Seq. ID	OJ000209_25.0320.C17
Gene No.	82995	Strand	+
Start	118	End	1338
Name	OJ000209_25.0320.C17.o1.gs	Method	GENSCAN
Start	331	End	864
GI	none	Score	.92
Exons	331..864		

Seq. No.	40132	Seq. ID	OJ000209_25.0320.C18
Gene No.	82996	Strand	+
Start	1	End	8981
Name	OJ000209_25.0320.C18.o1.np	Method	AAT/NAP
Start	1	End	8981
GI	7228438	Score	1544
Exons	1..351, 4972..5067, 5153..5566, 5647..5945, 6050..6311, 6404..6554, 7881..8302, 8916..8981		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40132	Seq. ID	OJ000209_25.0320.C18
Gene No.	82996	Strand	+
Start	1	End	8981
Name	OJ000209_25.0320.C18.o1.gs	Method	GENSCAN
Start	44	End	1011
GI	none	Score	.69
Exons	44..166, 590..1011		

Seq. No.	40132	Seq. ID	OJ000209_25.0320.C18
Gene No.	82996	Strand	+
Start	1	End	8981
Name	OJ000209_25.0320.C18.o3.gs	Method	GENSCAN
Start	4510	End	8302
GI	none	Score	.65
Exons	4510..4661, 4737..4773, 4915..5067, 5153..5311, 5448..5566, 5799..5945, 6050..6311, 6404..6511, 6558..6659, 6775..6797, 6855..7297, 7361..7593, 7982..8302		

Seq. No.	40132	Seq. ID	OJ000209_25.0320.C18
Gene No.	82996	Strand	+

Start	1	End	8981
Name	OJ000209_25.0320.C18.o2.gp	Method	AAT/GAP
Start	4776	End	6990
GI	LIB3433-020-P1-K1-A6	Score	750
Exons	4776..4818, 6604..6990		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	40132	Seq. ID	OJ000209_25.0320.C18
Gene No.	82997	Strand	-
Start	1928	End	2309
Name	OJ000209_25.0320.C18.o1.gp	Method	AAT/GAP
Start	1928	End	2309
GI	uC-osf1cyp033a04b1	Score	663
Exons	1928..2309		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40132	Seq. ID	OJ000209_25.0320.C18
Gene No.	82998	Strand	-
Start	2737	End	3758
Name	OJ000209_25.0320.C18.o2.gs	Method	GENSCAN
Start	2737	End	3758
GI	none	Score	.98
Exons	2737..2822, 3121..3293, 3385..3758		

Seq. No.	40133	Seq. ID	OJ000209_25.0320.C20
Gene No.	82999	Strand	+
Start	1	End	719
Name	OJ000209_25.0320.C20.o1.np	Method	AAT/NAP
Start	1	End	719
GI	6907086	Score	371
Exons	1..269, 327..719		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40133	Seq. ID	OJ000209_25.0320.C20
Gene No.	82999	Strand	+
Start	1	End	719
Name	OJ000209_25.0320.C20.o1.gs	Method	GENSCAN
Start	132	End	252
GI	none	Score	.74
Exons	132..252		

Seq. No.	40134	Seq. ID	OJ000209_25.0320.C24
Gene No.	83000	Strand	-
Start	1	End	706
Name	OJ000209_25.0320.C24.o1.np	Method	AAT/NAP
Start	1	End	706
GI	5852180	Score	381
Exons	1..256, 308..425, 587..706		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	40135	Seq. ID	OJ000209_25.0320.C31
Gene No.	83001	Strand	-
Start	524	End	1298
Name	OJ000209_25.0320.C31.o1.np	Method	AAT/NAP
Start	524	End	1298

GI	4680179	Score	893
Exons	524..1298		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40135	Seq. ID	OJ000209_25.0320.C31
Gene No.	83001	Strand	-
Start	524	End	1298
Name	OJ000209_25.0320.C31.o1.tm	Method	TBLASTX:Maize
Start	524	End	792
GI	none	Score	128
Exons	524..742, 532..792		

Seq. No.	40135	Seq. ID	OJ000209_25.0320.C31
Gene No.	83001	Strand	-
Start	524	End	1298
Name	OJ000209_25.0320.C31.o1.tw	Method	TBLASTX:Wheat
Start	528	End	802
GI	none	Score	174
Exons	528..692, 529..801, 530..802		

Seq. No.	40135	Seq. ID	OJ000209_25.0320.C31
Gene No.	83001	Strand	-
Start	524	End	1298
Name	OJ000209_25.0320.C31.o2.tw	Method	TBLASTX:Wheat
Start	934	End	1287
GI	none	Score	52
Exons	934..1287, 1009..1197		

Seq. No.	40136	Seq. ID	OJ000209_25.0320.C33
Gene No.	83002	Strand	+
Start	256	End	1699
Name	OJ000209_25.0320.C33.o1.np	Method	AAT/NAP
Start	256	End	1699
GI	6063554	Score	172
Exons	256..406, 1525..1699		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40136	Seq. ID	OJ000209_25.0320.C33
Gene No.	83003	Strand	+
Start	1658	End	2284
Name	OJ000209_25.0320.C33.o1.gp	Method	AAT/GAP
Start	1658	End	2284
GI	3761363	Score	908
Exons	1658..2284		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	40136	Seq. ID	OJ000209_25.0320.C33
Gene No.	83004	Strand	-
Start	228	End	1512
Name	OJ000209_25.0320.C33.o1.gs	Method	GENSCAN
Start	228	End	1512
GI	none	Score	.89
Exons	228..515, 535..653, 1431..1512		

Seq. No.	40136	Seq. ID	OJ000209_25.0320.C33
Gene No.	83005	Strand	-
Start	2092	End	2311
Name	OJ000209_25.0320.C33.o2.gp	Method	AAT/GAP
Start	2092	End	2311
GI	61605_1.R1084	Score	365
Exons	2092..2311		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o1.gs	Method	GENSCAN
Start	139	End	6235
GI	none	Score	.87
Exons	139..2078, 2229..2850, 2933..3206, 3303..6235		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o5.tw	Method	TBLASTX:Wheat
Start	151	End	765
GI	none	Score	83
Exons	151..288, 274..432, 487..765, 503..610, 656..745		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o1.np	Method	AAT/NAP
Start	175	End	6235
GI	5922631	Score	6643
Exons	175..2702, 3295..4218, 4345..4496, 4539..5110, 5156..5358, 5608..5852, 6111..6235		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o4.tm	Method	TBLASTX:Maize
Start	188	End	423
GI	none	Score	101
Exons	188..292, 190..291, 271..423		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o6.tm	Method	TBLASTX:Maize
Start	535	End	808
GI	none	Score	56
Exons	535..621, 631..714, 644..718, 701..808, 709..807		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o3.tw	Method	TBLASTX:Wheat
Start	880	End	1267
GI	none	Score	110
Exons	880..1071, 880..1266, 956..1267		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	910	End	1296
GI	none	Score	67
Exons	910..957, 911..958, 938..1264, 949..1296, 962..1273		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o6.tw	Method	TBLASTX:Wheat
Start	1461	End	3955
GI	none	Score	53
Exons	1461..1544, 3498..3734, 3500..3730, 3779..3955		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o5.tm	Method	TBLASTX:Maize
Start	1501	End	1755
GI	none	Score	193
Exons	1501..1755		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o4.tw	Method	TBLASTX:Wheat
Start	1585	End	2007
GI	none	Score	266
Exons	1585..2007, 1595..1999		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	1628	End	2016
GI	none	Score	159
Exons	1628..2008, 1630..1872, 1912..2016		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o8.tw	Method	TBLASTX:Wheat
Start	2007	End	2293
GI	none	Score	90
Exons	2007..2105, 2008..2283, 2011..2292, 2216..2293		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	2131	End	2575
GI	none	Score	89
Exons	2131..2157, 2155..2328, 2168..2299, 2320..2550, 2320..2574, 2321..2575		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	2242	End	2643
GI	none	Score	41
Exons	2242..2643, 2315..2446, 2483..2626		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o2.tw	Method	TBLASTX:Wheat
Start	2297	End	2721
GI	none	Score	290
Exons	2297..2677, 2311..2721		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o9.tw	Method	TBLASTX:Wheat
Start	2722	End	2847
GI	none	Score	90
Exons	2722..2847, 2723..2842		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	2806	End	3148
GI	none	Score	50
Exons	2806..2850, 2816..2875, 2864..3148, 2880..3107		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	2849	End	3278
GI	none	Score	171
Exons	2849..3250, 2849..3277, 2865..3278		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o3.ts	Method	TBLASTX:Soybean
Start	2873	End	3238
GI	none	Score	139
Exons	2873..3007, 3014..3238		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o7.tm	Method	TBLASTX:Maize
Start	3455	End	3647
GI	none	Score	114
Exons	3455..3646, 3501..3647		

Seq. No.	40137	Seq. ID	OJ000229_23.0323.C2
Gene No.	83006	Strand	-
Start	139	End	6235
Name	OJ000229_23.0323.C2.o7.tw	Method	TBLASTX:Wheat
Start	4532	End	4934
GI	none	Score	109
Exons	4532..4933, 4665..4934		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83007	Strand	+
Start	176	End	373
Name	OJ000229_23.0323.C5.o1.gs	Method	GENSCAN
Start	176	End	373
GI	none	Score	.68
Exons	176..373		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83008	Strand	+
Start	997	End	1189
Name	OJ000229_23.0323.C5.o1.gp	Method	AAT/GAP
Start	997	End	1189
GI	1765_5.R1084	Score	298
Exons	997..1189		
GI Descrip.	'3288564/emb|CAA65776| 8.0e-43 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]'		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o4.tm	Method	TBLASTX:Maize
Start	33	End	364
GI	none	Score	58
Exons	33..86, 170..364, 173..349, 174..350, 178..360		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o2.gs	Method	GENSCAN
Start	1137	End	2746
GI	none	Score	.98
Exons	1137..1973, 2074..2502, 2651..2746		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o1.np	Method	AAT/NAP
Start	1152	End	2830
GI	6671932	Score	628
Exons	1152..1973, 2750..2830		

GI Descrip. (AC016795) unknown protein [Arabidopsis thaliana]

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	1158	End	1391
GI	none	Score	78
Exons	1158..1214, 1171..1215, 1224..1316, 1225..1320, 1362..1391		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	1392	End	1563
GI	none	Score	180
Exons	1392..1562, 1392..1562, 1450..1563		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	1401	End	1802
GI	none	Score	66
Exons	1401..1520, 1404..1511, 1500..1595, 1599..1802, 1600..1791		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	1579	End	1974
GI	none	Score	248
Exons	1579..1974, 1599..1973		

Seq. No.	40138	Seq. ID	OJ000229_23.0323.C5
Gene No.	83009	Strand	-
Start	1137	End	2830
Name	OJ000229_23.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	1638	End	1952
GI	none	Score	185
Exons	1638..1952, 1639..1941		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83010	Strand	+
Start	802	End	1726
Name	OJ000229_23.0323.C7.o1.gs	Method	GENSCAN
Start	802	End	1726
GI	none	Score	.62
Exons	802..865, 1515..1726		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o2.gs	Method	GENSCAN
Start	4687	End	6297
GI	none	Score	.97
Exons	4687..5584, 5685..5845, 5971..6297		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o1.np	Method	AAT/NAP
Start	4690	End	6297
GI	7437167	Score	2319
Exons	4690..5584, 5685..5845, 5971..6297		
GI Descrip.	probable 1-aminocyclopropane-1-carboxylate synthase (EC 4.4.1.14) - rice gi|3288564|emb|CAA65776.1| (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	4738	End	6246
GI	none	Score	114
Exons	4738..4890, 4742..4858, 4939..5253, 5057..5152, 5213..5239, 5272..5583, 5321..5434, 5501..5584, 5673..5846, 5684..5848, 5971..6024, 6064..6246, 6101..6217		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	4742	End	6246
GI	none	Score	85
Exons	4742..4855, 4744..4890, 4939..5241, 4946..5149, 5272..5583, 5312..5434, 5519..5581, 5684..5845, 5685..5846, 5974..6024, 6064..6246, 6113..6235		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o2.tm	Method	TBLASTX:Maize
Start	4744	End	5011
GI	none	Score	92
Exons	4744..4860, 4744..4890, 4939..5010, 4946..5011		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	5044	End	5779
GI	none	Score	64
Exons	5044..5247, 5272..5583, 5318..5431, 5501..5581, 5673..5777, 5684..5779		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o1.gp	Method	AAT/GAP
Start	5456	End	5860
GI	4881122	Score	554
Exons	5456..5584, 5685..5860		
GI Descrip.	3288564/emb|CAA65776| 8.0e-43 (X97066)		

1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	5503	End	6024
GI	none	Score	146
Exons	5503..5583, 5684..5848, 5685..5849, 5787..5885, 5971..6024, 5987..6004		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o3.tm	Method	TBLASTX:Maize
Start	6064	End	6246
GI	none	Score	85
Exons	6064..6246, 6104..6235		

Seq. No.	40139	Seq. ID	OJ000229_23.0323.C7
Gene No.	83011	Strand	-
Start	4687	End	6411
Name	OJ000229_23.0323.C7.o2.gp	Method	AAT/GAP
Start	6162	End	6411
GI	65275_2.R1084	Score	451
Exons	6162..6411		
GI Descrip.	'3288564/emb|CAA65776| 1.0e-14 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]'		

Seq. No.	40140	Seq. ID	OJ000229_23.0323.C13
Gene No.	83012	Strand	-
Start	1	End	5705
Name	OJ000229_23.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	2974
GI	2062176	Score	345
Exons	1..47, 1582..1776, 1899..2136, 2608..2881, 2912..2974		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	40140	Seq. ID	OJ000229_23.0323.C13
Gene No.	83012	Strand	-
Start	1	End	5705
Name	OJ000229_23.0323.C13.o1.gs	Method	GENSCAN
Start	1426	End	5705
GI	none	Score	.51
Exons	1426..1794, 1987..2104, 2608..3077, 5546..5705		

Seq. No.	40140	Seq. ID	OJ000229_23.0323.C13
Gene No.	83012	Strand	-
Start	1	End	5705
Name	OJ000229_23.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	1923	End	2974
GI	none	Score	119
Exons	1923..2123, 1926..2123, 1981..2124, 2015..2140, 2921..2974		

Seq. No.	40140	Seq. ID	OJ000229_23.0323.C13
Gene No.	83012	Strand	-

Start	1	End	5705
Name	OJ000229_23.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	1923	End	2663
GI	none	Score	162
Exons	1923..2123, 1981..2124, 2592..2663, 2606..2662		

Seq. No.	40140	Seq. ID	OJ000229_23.0323.C13
Gene No.	83012	Strand	-
Start	1	End	5705
Name	OJ000229_23.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	1923	End	2124
GI	none	Score	94
Exons	1923..2123, 1926..2114, 1981..2124		

Seq. No.	40140	Seq. ID	OJ000229_23.0323.C13
Gene No.	83012	Strand	-
Start	1	End	5705
Name	OJ000229_23.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	1926	End	2124
GI	none	Score	125
Exons	1926..2123, 1926..2123, 1981..2124		

Seq. No.	40141	Seq. ID	OJ000229_23.0323.C14
Gene No.	83013	Strand	-
Start	26	End	3446
Name	OJ000229_23.0323.C14.o1.gs	Method	GENSCAN
Start	26	End	3446
GI	none	Score	.49
Exons	26..189, 582..701, 2714..2825, 2847..3446		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83014	Strand	+
Start	123	End	262
Name	OJ000229_23.0323.C15.o1.np	Method	AAT/NAP
Start	123	End	262
GI	7339707	Score	92
Exons	123..262		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o1.gp	Method	AAT/GAP
Start	1938	End	2726
GI	3762465	Score	1219
Exons	1938..2513, 2616..2726		
GI Descrip.	4191791 3.0e-29 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	2277	End	3364
GI	none	Score	230
Exons	2277..2516, 2305..2514, 2613..2798, 2614..2793, 2829..2888, 2843..2893, 3004..3060, 3006..3068, 3146..3226, 3151..3237,		

3299..3364, 3306..3362

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	2290	End	2881
GI	none	Score	317
Exons	2290..2514, 2290..2514, 2292..2543, 2336..2527, 2607..2753, 2609..2782, 2613..2792, 2614..2757, 2741..2881, 2847..2879		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o1.gs	Method	GENSCAN
Start	2292	End	3059
GI	none	Score	.84
Exons	2292..2513, 2616..2751, 3003..3059		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o1.tc	Method	TBLASTX:Cress
Start	2292	End	2502
GI	none	Score	63
Exons	2292..2483, 2298..2501, 2311..2502		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o2.np	Method	AAT/NAP
Start	2295	End	3364
GI	4191791	Score	604
Exons	2295..2513, 2616..2751, 2841..2896, 3003..3059, 3148..3225, 3308..3364		
GI Descrip.	(AC005917) putative SF21 protein {Helianthus annuus} [Arabidopsis thaliana]		

Seq. No.	40142	Seq. ID	OJ000229_23.0323.C15
Gene No.	83015	Strand	-
Start	2292	End	3364
Name	OJ000229_23.0323.C15.o2.tm	Method	TBLASTX:Maize
Start	3004	End	3364
GI	none	Score	73
Exons	3004..3060, 3006..3068, 3111..3227, 3146..3226, 3151..3237, 3305..3364, 3306..3359		

Seq. No.	40143	Seq. ID	OJ000229_23.0323.C16
Gene No.	83016	Strand	-
Start	1	End	4233
Name	OJ000229_23.0323.C16.o1.np	Method	AAT/NAP
Start	1	End	1398
GI	4191791	Score	369
Exons	1..123, 218..306, 404..501, 598..697, 1339..1398		
GI Descrip.	(AC005917) putative SF21 protein {Helianthus annuus} [Arabidopsis thaliana]		

Seq. No.	40143	Seq. ID	OJ000229_23.0323.C16
Gene No.	83016	Strand	-
Start	1	End	4233
Name	OJ000229_23.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	58	End	1377
GI	none	Score	92
Exons	58..123, 63..128, 64..123, 217..309, 220..303, 234..326, 416..499, 426..500, 426..515, 599..700, 600..698, 1339..1377		

Seq. No.	40143	Seq. ID	OJ000229_23.0323.C16
Gene No.	83016	Strand	-
Start	1	End	4233
Name	OJ000229_23.0323.C16.o1.tc	Method	TBLASTX:Cress
Start	60	End	700
GI	none	Score	68
Exons	60..128, 64..120, 208..303, 217..309, 401..499, 411..515, 599..700, 600..698		

Seq. No.	40143	Seq. ID	OJ000229_23.0323.C16
Gene No.	83016	Strand	-
Start	1	End	4233
Name	OJ000229_23.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	60	End	700
GI	none	Score	63
Exons	60..128, 64..114, 217..309, 401..499, 411..515, 599..700, 600..698		

Seq. No.	40143	Seq. ID	OJ000229_23.0323.C16
Gene No.	83016	Strand	-
Start	1	End	4233
Name	OJ000229_23.0323.C16.o1.gs	Method	GENSCAN
Start	63	End	4233
GI	none	Score	.43
Exons	63..306, 404..501, 598..697, 1339..1493, 1731..1810, 4091..4233		

Seq. No.	40143	Seq. ID	OJ000229_23.0323.C16
Gene No.	83016	Strand	-
Start	1	End	4233
Name	OJ000229_23.0323.C16.o1.gp	Method	AAT/GAP
Start	97	End	1456
GI	82020_1.R1084	Score	604
Exons	97..123, 218..306, 404..501, 598..697, 1339..1456		
GI Descrip.	'4191791 3.0e-31 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]'		

Seq. No.	40144	Seq. ID	OJ000229_23.0323.C17
Gene No.	83017	Strand	+
Start	31	End	249
Name	OJ000229_23.0323.C17.o1.gs	Method	GENSCAN
Start	31	End	249
GI	none	Score	.73
Exons	31..249		

Seq. No.	40144	Seq. ID	OJ000229_23.0323.C17
Gene No.	83018	Strand	-
Start	1898	End	2026
Name	OJ000229_23.0323.C17.o2.gs	Method	GENSCAN

Start	1898	End	2026
GI	none	Score	.52
Exons	1898..2026		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83019	Strand	+
Start	1784	End	5300
Name	OJ000229_23.0323.C18.o1.np	Method	AAT/NAP
Start	1784	End	5300
GI	2493240	Score	68
Exons	1784..1847, 3135..3389, 4389..4618, 5231..5300		
GI Descrip.	HYPOTHETICAL 29.3 KD PROTEIN (ORF92) gi|1911338 (U75930) unknown [Orgyia pseudotsugata nuclear polyhedrosis virus]		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83019	Strand	+
Start	1784	End	5300
Name	OJ000229_23.0323.C18.o1.gs	Method	GENSCAN
Start	1882	End	2153
GI	none	Score	.62
Exons	1882..2037, 2140..2153		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83019	Strand	+
Start	1784	End	5300
Name	OJ000229_23.0323.C18.o1.gp	Method	AAT/GAP
Start	3728	End	4036
GI	none	Score	526
Exons	3728..4036		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83020	Strand	-
Start	3335	End	4290
Name	OJ000229_23.0323.C18.o2.gs	Method	GENSCAN
Start	3335	End	4095
GI	none	Score	.44
Exons	3335..3419, 3450..3696, 4023..4095		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83020	Strand	-
Start	3335	End	4290
Name	OJ000229_23.0323.C18.o2.gp	Method	AAT/GAP
Start	3904	End	4290
GI	uC-osflcyp177b01b1	Score	589
Exons	3904..4290		
GI Descrip.	'4191791 3.0e-29 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]'		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	4460	End	5687
GI	none	Score	56
Exons	4460..4507, 4461..4529, 4512..4601, 4514..4630, 4553..4630, 4607..4678, 4659..4688, 4664..4690, 4718..4750, 4803..4898, 4808..4855, 4809..4892, 4854..4892, 4887..4973, 4888..4974,		

4988..5029, 4988..5059, 4989..5054, 5045..5395, 5057..5098,
5061..5396, 5465..5527, 5471..5527, 5555..5638, 5565..5687

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	4463	End	5395
GI	none	Score	390
Exons	4463..4621, 5006..5038, 5075..5395, 5076..5393		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o3.gs	Method	GENSCAN
Start	4463	End	5620
GI	none	Score	.57
Exons	4463..5620		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o2.np	Method	AAT/NAP
Start	4466	End	5642
GI	3687237	Score	733
Exons	4466..4930, 4999..5642		
GI Descrip.	(AC005169) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	5039	End	5395
GI	none	Score	36
Exons	5039..5071, 5045..5236, 5091..5237, 5243..5395, 5247..5393, 5324..5395		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o1.tc	Method	TBLASTX:Cress
Start	5081	End	5396
GI	none	Score	325
Exons	5081..5395, 5082..5396		

Seq. No.	40145	Seq. ID	OJ000229_23.0323.C18
Gene No.	83021	Strand	-
Start	4463	End	5726
Name	OJ000229_23.0323.C18.o3.gp	Method	AAT/GAP
Start	5402	End	5726
GI	3061151	Score	576
Exons	5402..5726		

Seq. No.	40146	Seq. ID	OJ000229_23.0323.C19
Gene No.	83022	Strand	+
Start	79	End	619

Name	OJ000229_23.0323.C19.o1.gs	Method	GENSCAN
Start	79	End	619
GI	none	Score	.61
Exons	79..180, 557..619		

Seq. No.	40146	Seq. ID	OJ000229_23.0323.C19
Gene No.	83023	Strand	-
Start	757	End	1089
Name	OJ000229_23.0323.C19.o2.gs	Method	GENSCAN
Start	757	End	1089
GI	none	Score	.66
Exons	757..833, 1002..1089		

Seq. No.	40146	Seq. ID	OJ000229_23.0323.C19
Gene No.	83024	Strand	-
Start	2101	End	3599
Name	OJ000229_23.0323.C19.o3.gs	Method	GENSCAN
Start	2101	End	3599
GI	none	Score	.71
Exons	2101..2200, 2343..2462, 3454..3599		

Seq. No.	40147	Seq. ID	OJ000229_23.0323.C20
Gene No.	83025	Strand	+
Start	130	End	3410
Name	OJ000229_23.0323.C20.o1.gs	Method	GENSCAN
Start	130	End	3410
GI	none	Score	.56
Exons	130..186, 491..640, 670..858, 940..1048, 3250..3292, 3386..3410		

Seq. No.	40147	Seq. ID	OJ000229_23.0323.C20
Gene No.	83026	Strand	-
Start	5155	End	7044
Name	OJ000229_23.0323.C20.o2.gs	Method	GENSCAN
Start	5155	End	7044
GI	none	Score	.61
Exons	5155..5309, 5375..5467, 7014..7044		

Seq. No.	40148	Seq. ID	OJ000229_23.0323.C23
Gene No.	83027	Strand	-
Start	207	End	1029
Name	OJ000229_23.0323.C23.o1.gs	Method	GENSCAN
Start	207	End	1029
GI	none	Score	.45
Exons	207..233, 976..1029		

Seq. No.	40149	Seq. ID	OJ000229_23.0323.C24
Gene No.	83028	Strand	+
Start	1001	End	1343
Name	OJ000229_23.0323.C24.o1.gs	Method	GENSCAN
Start	1001	End	1343
GI	none	Score	.81
Exons	1001..1115, 1315..1343		

Seq. No.	40149	Seq. ID	OJ000229_23.0323.C24
Gene No.	83029	Strand	+
Start	4059	End	4548
Name	OJ000229_23.0323.C24.o1.np	Method	AAT/NAP

Start	4059	End	4548
GI	4996642	Score	130
Exons	4059..4180, 4383..4548		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	40149	Seq. ID	OJ000229_23.0323.C24
Gene No.	83030	Strand	-
Start	1776	End	4279
Name	OJ000229_23.0323.C24.o2.gs	Method	GENSCAN
Start	1776	End	4279
GI	none	Score	.57
Exons	1776..2304, 4152..4279		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83031	Strand	+
Start	52	End	272
Name	OJ000229_23.0323.C25.o1.gs	Method	GENSCAN
Start	52	End	272
GI	none	Score	.45
Exons	52..222, 245..272		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83032	Strand	+
Start	1423	End	3755
Name	OJ000229_23.0323.C25.o2.gs	Method	GENSCAN
Start	1423	End	2645
GI	none	Score	.86
Exons	1423..2280, 2340..2645		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83032	Strand	+
Start	1423	End	3755
Name	OJ000229_23.0323.C25.o1.gp	Method	AAT/GAP
Start	2484	End	3755
GI	2564_1.R1084	Score	2381
Exons	2484..2531, 2568..3755		
GI Descrip.	'3288564/emb|CAA65776| 8.0e-43 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]'		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83033	Strand	+
Start	11575	End	16527
Name	OJ000229_23.0323.C25.o5.gs	Method	GENSCAN
Start	11575	End	16486
GI	none	Score	.67
Exons	11575..11641, 11679..11918, 11989..12121, 12267..12354, 12963..13113, 13257..13542, 13955..14084, 15042..15164, 15290..15385, 15481..15543, 15823..15900, 16433..16486		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83033	Strand	+
Start	11575	End	16527
Name	OJ000229_23.0323.C25.o2.np	Method	AAT/NAP
Start	15057	End	16527
GI	6729048	Score	125
Exons	15057..15164, 15290..15388, 15481..15543, 15823..15900, 16445..16527		

GI Descrip. (AC009177) unknown protein, 3' partial [Arabidopsis thaliana]

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o1.np	Method	AAT/NAP
Start	1565	End	13746
GI	6523547	Score	522
Exons	1565..1936, 2411..2498, 4814..5002, 10169..10363, 10498..10666, 11601..11653, 13558..13746		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o3.gs	Method	GENSCAN
Start	3207	End	5073
GI	none	Score	.44
Exons	3207..3902, 4633..5073		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o1.ts	Method	TBLASTX:Soybean
Start	3696	End	4059
GI	none	Score	194
Exons	3696..4058, 3712..4059		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o2.gp	Method	AAT/GAP
Start	6457	End	7454
GI	LIB3474-002-P1-K1-H9	Score	842
Exons	6457..6609, 7070..7253, 7351..7454		
GI Descrip.	'2632987/emb|CAB12493| 5.0e-10 (Z99107) alternate gene name: yerS; similar to RNA methyltransferase [Bacillus subtilis]'		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o1.tm	Method	TBLASTX:Maize
Start	7124	End	7762
GI	none	Score	115
Exons	7124..7252, 7125..7253, 7134..7286, 7309..7482, 7349..7495, 7349..7483, 7351..7485, 7597..7758, 7603..7761, 7605..7760, 7607..7762, 7613..7762		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o4.gs	Method	GENSCAN
Start	7146	End	10654
GI	none	Score	.91
Exons	7146..7253, 7351..7481, 7606..7772, 7937..8052, 8213..8368, 8557..8665, 9140..9249, 9794..9979, 10064..10654		

Seq. No.	40150	Seq. ID	OJ000229_23.0323.C25
Gene No.	83034	Strand	-
Start	1565	End	13746
Name	OJ000229_23.0323.C25.o2.tm	Method	TBLASTX:Maize
Start	8247	End	10199
GI	none	Score	183
Exons	8247..8369, 8247..8360, 8550..8666, 8554..8667, 8555..8668, 8555..8671, 9137..9250, 9139..9252, 9791..9880, 9792..9869, 9794..9892, 9937..9978, 9938..9982, 9945..9980, 10015..10161, 10047..10166, 10055..10198, 10065..10199		

Seq. No.	40151	Seq. ID	OJ000229_23.0323.C26
Gene No.	83035	Strand	+
Start	963	End	1233
Name	OJ000229_23.0323.C26.o1.tc	Method	TBLASTX:Cress
Start	949	End	1233
GI	none	Score	293
Exons	949..1230, 978..1232, 982..1233		

Seq. No.	40151	Seq. ID	OJ000229_23.0323.C26
Gene No.	83035	Strand	+
Start	963	End	1233
Name	OJ000229_23.0323.C26.o1.gs	Method	GENSCAN
Start	963	End	1224
GI	none	Score	.51
Exons	963..1224		

Seq. No.	40151	Seq. ID	OJ000229_23.0323.C26
Gene No.	83035	Strand	+
Start	963	End	1233
Name	OJ000229_23.0323.C26.o1.np	Method	AAT/NAP
Start	976	End	1221
GI	82231	Score	416
Exons	976..1221		
GI Descrip.	hypothetical protein 82 - common tobacco chloroplast gi|225200|prf||1211235AE ORF 82 [Nicotiana tabacum]		

Seq. No.	40151	Seq. ID	OJ000229_23.0323.C26
Gene No.	83035	Strand	+
Start	963	End	1233
Name	OJ000229_23.0323.C26.o1.tm	Method	TBLASTX:Maize
Start	976	End	1224
GI	none	Score	429
Exons	976..1224, 977..1222, 1077..1223		

Seq. No.	40151	Seq. ID	OJ000229_23.0323.C26
Gene No.	83035	Strand	+
Start	963	End	1233
Name	OJ000229_23.0323.C26.o1.ts	Method	TBLASTX:Soybean
Start	1093	End	1211
GI	none	Score	184
Exons	1093..1203, 1093..1209, 1095..1211		

Seq. No.	40151	Seq. ID	OJ000229_23.0323.C26
Gene No.	83036	Strand	
Start	1406	End	1523

Name	OJ000229_23.0323.C26.o2.tm	Method	TBLASTX:Maize
Start	1406	End	1523
GI	none	Score	188
Exons	1406..1522, 1406..1522, 1407..1523		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83037	Strand	+
Start	1660	End	3968
Name	OJ000209_23.0320.C1.o1.gs	Method	GENSCAN
Start	1660	End	3000
GI	none	Score	1
Exons	1660..3000		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83037	Strand	+
Start	1660	End	3968
Name	OJ000209_23.0320.C1.o1.np	Method	AAT/NAP
Start	1753	End	3968
GI	3927831	Score	1118
Exons	1753..2925, 3869..3968		
GI Descrip.	(AC005727) putative RING zinc finger ankyrin protein [Arabidopsis thaliana]		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o1.tm	Method	TBLASTX:Maize
Start	1659	End	2799
GI	none	Score	382
Exons	1659..1730, 1660..2046, 1789..1980, 1899..2042, 2097..2447, 2098..2460, 2146..2244, 2177..2269, 2449..2526, 2604..2780, 2608..2799		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o1.tc	Method	TBLASTX:Cress
Start	1696	End	2688
GI	none	Score	300
Exons	1696..2046, 1804..1863, 1899..2039, 1903..1992, 2100..2447, 2101..2460, 2146..2214, 2152..2208, 2257..2355, 2452..2523, 2604..2684, 2608..2688		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o1.ts	Method	TBLASTX:Soybean
Start	1795	End	2364
GI	none	Score	291
Exons	1795..2046, 1795..1935, 1804..1863, 1899..2042, 1903..1992, 2097..2357, 2098..2364, 2119..2220		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o1.tw	Method	TBLASTX:Wheat
Start	2147	End	2796

GI	none	Score	78
Exons	2147..2269, 2425..2460, 2449..2526, 2604..2783, 2608..2796		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o2.ts	Method	TBLASTX:Soybean
Start	2368	End	2790
GI	none	Score	75
Exons	2368..2460, 2449..2517, 2607..2780, 2608..2790		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o2.tm	Method	TBLASTX:Maize
Start	4640	End	5597
GI	none	Score	150
Exons	4640..4780, 4662..4778, 4670..4792, 4677..4790, 5093..5254, 5107..5265, 5107..5253, 5129..5254, 5362..5475, 5367..5477, 5367..5477, 5368..5478, 5553..5597		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o2.gs	Method	GENSCAN
Start	4664	End	5955
GI	none	Score	.43
Exons	4664..4789, 5562..5639, 5756..5806, 5935..5955		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o2.np	Method	AAT/NAP
Start	4685	End	6142
GI	6478931	Score	370
Exons	4685..4789, 5107..5252, 5369..5474, 5562..5639, 6114..6142		
GI Descrip.	(AC011436) putative pectinacetylesterase [Arabidopsis thaliana]		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o3.ts	Method	TBLASTX:Soybean
Start	4685	End	5639
GI	none	Score	65
Exons	4685..4789, 4686..4790, 5140..5277, 5367..5480, 5559..5639		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o2.tc	Method	TBLASTX:Cress
Start	4703	End	5639
GI	none	Score	64
Exons	4703..4717, 4727..4786, 4727..4786, 5110..5253, 5367..5480, 5559..5639		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-

Start	4664	End	6142
Name	OJ000209_23.0320.C1.o1.gp	Method	AAT/GAP
Start	5167	End	5985
GI	LIB3434-025-P1-K1-F8	Score	681
Exons	5167..5252, 5369..5474, 5562..5639, 5756..5806, 5895..5985		
GI Descrip.	'3355479 3.0e-11 (AC004218) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40152	Seq. ID	OJ000209_23.0320.C1
Gene No.	83038	Strand	-
Start	4664	End	6142
Name	OJ000209_23.0320.C1.o3.tm	Method	TBLASTX:Maize
Start	5598	End	5969
GI	none	Score	68
Exons	5598..5639, 5599..5640, 5601..5642, 5747..5821, 5756..5812, 5757..5825, 5893..5955, 5893..5952, 5895..5969, 5895..5954		

Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83039	Strand	+
Start	2072	End	2265
Name	OJ000209_23.0320.C2.o2.np	Method	AAT/NAP
Start	2072	End	2265
GI	121974	Score	163
Exons	2072..2265		
GI Descrip.	HISTONE H2A.2.1 gi|70710|pir||HSWT2A histone H2A.2 - wheat		

Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83040	Strand	+
Start	2866	End	3258
Name	OJ000209_23.0320.C2.o3.np	Method	AAT/NAP
Start	2866	End	3258
GI	730688	Score	70
Exons	2866..3048, 3152..3258		
GI Descrip.	40S RIBOSOMAL PROTEIN S19, MITOCHONDRIAL PRECURSOR gi|2129722|pir||S71114 ribosomal protein S19 precursor, mitochondrial - Arabidopsis thaliana gi|457760|emb|CAA54951.1| (X77989) ribosomal protein S19 [Arabidopsis thaliana] gi|459422|emb|CAA54965.1| (X78035) mitochondrial ribosomal protein S19, nuclear encoded [Arabidopsis thaliana]		

Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83041	Strand	-
Start	1	End	1288
Name	OJ000209_23.0320.C2.o1.np	Method	AAT/NAP
Start	1	End	1255
GI	7487999	Score	345
Exons	1..22, 451..550, 685..764, 859..1255		
GI Descrip.	pectinacetylesterase homolog F14M4.24 - Arabidopsis thaliana gi|3522956|gb|AAC34238.1| (AC004411) putative pectinesterase [Arabidopsis thaliana]		

Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83041	Strand	-
Start	1	End	1288
Name	OJ000209_23.0320.C2.o1.gs	Method	GENSCAN
Start	859	End	1288
GI	none	Score	.98

Exons	859..1288		
Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83042	Strand	-
Start	2052	End	2825
Name	OJ000209_23.0320.C2.o1.tm	Method	TBLASTX:Maize
Start	464	End	1015
GI	none	Score	100
Exons	464..574, 468..563, 685..765, 692..766, 692..766, 860..1015, 861..1010		
Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83042	Strand	-
Start	2052	End	2825
Name	OJ000209_23.0320.C2.o1.ts	Method	TBLASTX:Soybean
Start	470	End	1124
GI	none	Score	67
Exons	470..541, 691..765, 692..766, 860..1123, 861..1124		
Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83042	Strand	-
Start	2052	End	2825
Name	OJ000209_23.0320.C2.o1.tc	Method	TBLASTX:Cress
Start	691	End	1117
GI	none	Score	77
Exons	691..765, 707..757, 860..1117, 861..1091		
Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83042	Strand	-
Start	2052	End	2825
Name	OJ000209_23.0320.C2.o2.tm	Method	TBLASTX:Maize
Start	1022	End	1159
GI	none	Score	143
Exons	1022..1159, 1023..1157		
Seq. No.	40153	Seq. ID	OJ000209_23.0320.C2
Gene No.	83042	Strand	-
Start	2052	End	2825
Name	OJ000209_23.0320.C2.o2.gs	Method	GENSCAN
Start	2052	End	2825
GI	none	Score	.48
Exons	2052..2124, 2737..2825		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83043	Strand	+
Start	4684	End	6946
Name	OJ000209_23.0320.C3.o2.gp	Method	AAT/GAP
Start	4684	End	4997
GI	2799415	Score	511
Exons	4684..4997		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83043	Strand	+
Start	4684	End	6946
Name	OJ000209_23.0320.C3.o3.np	Method	AAT/NAP
Start	4726	End	6946
GI	7484780	Score	149

Exons	4726..4977, 5497..5705, 6794..6946		
GI Descrip.	26S proteasome regulatory particle chain RPN7 homolog F6I7.30 - Arabidopsis thaliana gi|4678261|emb|CAB41122.1| (AL049657) putative proteasome regulatory subunit [Arabidopsis thaliana] gi|7269333|emb|CAB79392.1| (AL161562) putative proteasome regulatory subunit [Arabidopsis thaliana]		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83043	Strand	+
Start	4684	End	6946
Name	OJ000209_23.0320.C3.o4.gp	Method	AAT/GAP
Start	6160	End	6549
GI	3106865	Score	753
Exons	6160..6549		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83044	Strand	-
Start	300	End	2116
Name	OJ000209_23.0320.C3.o1.np	Method	AAT/NAP
Start	300	End	2116
GI	6729513	Score	733
Exons	300..339, 414..495, 818..938, 1014..1079, 1285..1392, 1481..1546, 1768..1796, 1979..2116		
GI Descrip.	(AL132966) inorganic pyrophosphatase-like protein [Arabidopsis thaliana]		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83045	Strand	-
Start	3275	End	3765
Name	OJ000209_23.0320.C3.o1.gp	Method	AAT/GAP
Start	3275	End	3765
GI	2280644	Score	693
Exons	3275..3546, 3661..3765		
GI Descrip.	3355479 3.0e-11 (AC004218) unknown protein [Arabidopsis thaliana]		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83045	Strand	-
Start	3275	End	3765
Name	OJ000209_23.0320.C3.o2.np	Method	AAT/NAP
Start	3472	End	3750
GI	7485409	Score	139
Exons	3472..3546, 3661..3750		
GI Descrip.	hypothetical protein F12L6.16 - Arabidopsis thaliana gi|3355479|gb|AAC27841.1| (AC004218) unknown protein [Arabidopsis thaliana]		
Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o1.tm	Method	TBLASTX:Maize
Start	247	End	2063
GI	none	Score	55
Exons	247..276, 294..338, 295..342, 413..493, 414..494, 418..495, 818..940, 819..941, 988..1086, 1014..1082, 1276..1395, 1285..1395, 1478..1558, 1479..1547, 1681..1719, 1733..1819, 1753..1818, 1977..2021, 1978..2022, 2018..2062, 2019..2063		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o1.ts	Method	TBLASTX:Soybean
Start	291	End	2125
GI	none	Score	69
Exons	291..335, 413..493, 414..494, 819..941, 820..939, 988..1086, 1014..1082, 1284..1388, 1285..1395, 1478..1546, 1491..1547, 1977..2021, 1978..2022, 2018..2125, 2019..2057		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o1.tc	Method	TBLASTX:Cress
Start	297	End	2089
GI	none	Score	63
Exons	297..338, 413..535, 413..493, 819..941, 820..939, 988..1089, 1014..1082, 1283..1360, 1285..1395, 1478..1546, 1479..1547, 1956..2018, 1977..2021, 1978..2022, 2018..2089		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o1.tw	Method	TBLASTX:Wheat
Start	458	End	1371
GI	none	Score	56
Exons	458..493, 459..494, 819..941, 819..941, 820..942, 988..1086, 1014..1082, 1285..1368, 1285..1371		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o2.tm	Method	TBLASTX:Maize
Start	4711	End	4965
GI	none	Score	269
Exons	4711..4965, 4722..4904, 4855..4956		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o2.tc	Method	TBLASTX:Cress
Start	4735	End	4965
GI	none	Score	189
Exons	4735..4965		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o2.gs	Method	GENSCAN
Start	6433	End	7499
GI	none	Score	.85
Exons	6433..6553, 6658..7499		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550

Name	OJ000209_23.0320.C3.o5.gp	Method	AAT/GAP
Start	6703	End	7129
GI	LIB3433-025-P1-K1-H6	Score	785
Exons	6703..7129		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40154	Seq. ID	OJ000209_23.0320.C3
Gene No.	83046	Strand	-
Start	6433	End	7550
Name	OJ000209_23.0320.C3.o4.np	Method	AAT/NAP
Start	7149	End	7550
GI	4063743	Score	159
Exons	7149..7550		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83047	Strand	+
Start	3893	End	4203
Name	OJ000209_23.0320.C4.o1.gp	Method	AAT/GAP
Start	3893	End	4203
GI	2312818	Score	546
Exons	3893..4203		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83048	Strand	+
Start	4294	End	5028
Name	OJ000209_23.0320.C4.o2.gp	Method	AAT/GAP
Start	4294	End	5028
GI	101153_1.R1084	Score	701
Exons	4294..4477, 4800..5028		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83049	Strand	+
Start	5046	End	5473
Name	OJ000209_23.0320.C4.o3.gp	Method	AAT/GAP
Start	5046	End	5473
GI	2428185	Score	837
Exons	5046..5473		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83050	Strand	+
Start	5995	End	6304
Name	OJ000209_23.0320.C4.o4.gp	Method	AAT/GAP
Start	5995	End	6304
GI	61605_3.R1084	Score	416
Exons	5995..6304		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4

Gene No.	83051	Strand	-
Start	639	End	9778
Name	OJ000209_23.0320.C4.o1.gs	Method	GENSCAN
Start	639	End	2639
GI	none	Score	.58
Exons	639..692, 2296..2454, 2637..2639		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83051	Strand	-
Start	639	End	9778
Name	OJ000209_23.0320.C4.o1.np	Method	AAT/NAP
Start	1721	End	9778
GI	7228438	Score	2994
Exons	1721..1981, 2152..2454, 6708..6773, 6931..7113, 7206..7463, 7540..7839, 7932..8342, 8428..8544, 9698..9778		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83051	Strand	-
Start	639	End	9778
Name	OJ000209_23.0320.C4.o2.gs	Method	GENSCAN
Start	2896	End	9019
GI	none	Score	.56
Exons	2896..3026, 4257..4568, 5690..5794, 6309..6334, 6354..6401, 6465..6617, 6646..6668, 6690..6773, 6846..6961, 6993..7113, 7206..7279, 7304..7451, 7588..7839, 7932..8057, 8175..8342, 8428..8812, 8865..9019		

Seq. No.	40155	Seq. ID	OJ000209_23.0320.C4
Gene No.	83051	Strand	-
Start	639	End	9778
Name	OJ000209_23.0320.C4.o5.gp	Method	AAT/GAP
Start	7239	End	7713
GI	LIB3475-007-P1-K1-G8	Score	716
Exons	7239..7463, 7540..7713		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83052	Strand	+
Start	3639	End	7751
Name	OJ000209_23.0320.C5.o2.gs	Method	GENSCAN
Start	3639	End	7282
GI	none	Score	.67
Exons	3639..3918, 5143..5291, 5573..5659, 6241..6505, 6717..7282		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83052	Strand	+
Start	3639	End	7751
Name	OJ000209_23.0320.C5.o3.gp	Method	AAT/GAP
Start	6162	End	7751
GI	15546_1.R1084	Score	3133
Exons	6162..7751		
GI Descrip.	'3941480 2.0e-29 (AF062894) putative transcription factor		

[Arabidopsis thaliana]'

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83052	Strand	+
Start	3639	End	7751
Name	OJ000209_23.0320.C5.o3.np	Method	AAT/NAP
Start	6383	End	7061
GI	3941480	Score	420
Exons	6383..6505, 6717..7061		
GI Descrip.	(AF062894) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-
Start	1	End	3861
Name	OJ000209_23.0320.C5.o1.np	Method	AAT/NAP
Start	1	End	2181
GI	7228442	Score	3700
Exons	1..2181		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-
Start	1	End	3861
Name	OJ000209_23.0320.C5.o2.np	Method	AAT/NAP
Start	43	End	3861
GI	6063557	Score	410
Exons	43..126, 3274..3425, 3674..3861		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-
Start	1	End	3861
Name	OJ000209_23.0320.C5.o1.gs	Method	GENSCAN
Start	142	End	2181
GI	none	Score	.54
Exons	142..278, 459..693, 769..905, 1002..1365, 1531..2181		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-
Start	1	End	3861
Name	OJ000209_23.0320.C5.o1.tw	Method	TBLASTX:Wheat
Start	493	End	873
GI	none	Score	85
Exons	493..669, 493..669, 667..864, 679..873		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-
Start	1	End	3861
Name	OJ000209_23.0320.C5.o2.tm	Method	TBLASTX:Maize
Start	571	End	1167
GI	none	Score	144
Exons	571..642, 706..1005, 767..988, 1039..1167, 1061..1159		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-

Start	1	End	3861
Name	OJ000209_23.0320.C5.o1.gp	Method	AAT/GAP
Start	693	End	1124
GI	5701669	Score	817
Exons	693..1124		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83053	Strand	-
Start	1	End	3861
Name	OJ000209_23.0320.C5.o2.gp	Method	AAT/GAP
Start	3244	End	3403
GI	uC-osflcyp169h02b1	Score	214
Exons	3244..3403		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83054	Strand	
Start	6405	End	6918
Name	OJ000209_23.0320.C5.o1.tm	Method	TBLASTX:Maize
Start	6405	End	6916
GI	none	Score	158
Exons	6405..6521, 6409..6522, 6713..6916, 6715..6912		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83054	Strand	
Start	6405	End	6918
Name	OJ000209_23.0320.C5.o1.ts	Method	TBLASTX:Soybean
Start	6406	End	6916
GI	none	Score	153
Exons	6406..6522, 6414..6521, 6709..6912, 6716..6916		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83054	Strand	
Start	6405	End	6918
Name	OJ000209_23.0320.C5.o2.tw	Method	TBLASTX:Wheat
Start	6406	End	6918
GI	none	Score	74
Exons	6406..6510, 6712..6918, 6713..6916, 6835..6918		

Seq. No.	40156	Seq. ID	OJ000209_23.0320.C5
Gene No.	83054	Strand	
Start	6405	End	6918
Name	OJ000209_23.0320.C5.o1.tc	Method	TBLASTX:Cress
Start	6409	End	6916
GI	none	Score	150
Exons	6409..6522, 6414..6509, 6713..6916, 6715..6912		

Seq. No.	40157	Seq. ID	OJ000209_23.0320.C6
Gene No.	83055	Strand	-
Start	526	End	700
Name	OJ000209_23.0320.C6.o1.gs	Method	GENSCAN
Start	526	End	700
GI	none	Score	.7

Exons	526..700		
Seq. No.	40158	Seq. ID	OJ000209_23.0320.C7
Gene No.	83056	Strand	+
Start	380	End	586
Name	OJ000209_23.0320.C7.o1.gs	Method	GENSCAN
Start	380	End	586
GI	none	Score	.59
Exons	380..586		
Seq. No.	40158	Seq. ID	OJ000209_23.0320.C7
Gene No.	83057	Strand	+
Start	4374	End	7291
Name	OJ000209_23.0320.C7.o1.np	Method	AAT/NAP
Start	4374	End	7291
GI	4314388	Score	196
Exons	4374..4452, 5956..6014, 6089..6268, 6341..6493, 7211..7291		
GI Descrip.	(AC006232) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40158	Seq. ID	OJ000209_23.0320.C7
Gene No.	83058	Strand	-
Start	2518	End	6652
Name	OJ000209_23.0320.C7.o2.gs	Method	GENSCAN
Start	2518	End	6652
GI	none	Score	.51
Exons	2518..2610, 2682..2780, 3041..3233, 3480..3865, 4435..4594, 5268..5647, 6037..6136, 6564..6652		
Seq. No.	40158	Seq. ID	OJ000209_23.0320.C7
Gene No.	83059	Strand	-
Start	6941	End	7057
Name	OJ000209_23.0320.C7.o2.np	Method	AAT/NAP
Start	6941	End	7057
GI	5777617	Score	83
Exons	6941..7057		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		
Seq. No.	40159	Seq. ID	OJ000209_23.0320.C8
Gene No.	83060	Strand	+
Start	810	End	1111
Name	OJ000209_23.0320.C8.o1.gs	Method	GENSCAN
Start	810	End	1111
GI	none	Score	.69
Exons	810..872, 1037..1111		
Seq. No.	40159	Seq. ID	OJ000209_23.0320.C8
Gene No.	83061	Strand	-
Start	1816	End	2280
Name	OJ000209_23.0320.C8.o1.np	Method	AAT/NAP
Start	1816	End	2280
GI	7510076	Score	111
Exons	1816..2063, 2194..2280		
GI Descrip.	hypothetical protein Y50E8A.i - Caenorhabditis elegans		
Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83062	Strand	+
Start	1542	End	3192

Name	OJ000209_23.0320.C9.o1.gs	Method	GENSCAN
Start	1542	End	2168
GI	none	Score	.85
Exons	1542..2168		

Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83062	Strand	+
Start	1542	End	3192
Name	OJ000209_23.0320.C9.o1.np	Method	AAT/NAP
Start	1563	End	3192
GI	4559367	Score	213
Exons	1563..2031, 3125..3192		
GI Descrip.	(AC006585) putative MADS-box protein [Arabidopsis thaliana]		

Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83063	Strand	-
Start	2743	End	3815
Name	OJ000209_23.0320.C9.o2.gs	Method	GENSCAN
Start	2743	End	3815
GI	none	Score	.76
Exons	2743..2748, 2792..2855, 3730..3815		

Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o2.ts	Method	TBLASTX:Soybean
Start	1571	End	1793
GI	none	Score	197
Exons	1571..1792, 1575..1793		

Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o2.gp	Method	AAT/GAP
Start	4689	End	5980
GI	717_5.R1084	Score	2347
Exons	4689..5695, 5777..5980		
GI Descrip.	'3695375 1.0e-103 (AF096370) contains similarity to the major intrinsic protein domain (Pfam: PF00230 MIP, E-value: 5.7e-111) [Arabidopsis thaliana]'		

Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o1.tc	Method	TBLASTX:Cress
Start	5071	End	5910
GI	none	Score	35
Exons	5071..5121, 5072..5101, 5113..5283, 5153..5284, 5283..5693, 5284..5652, 5760..5909, 5761..5910		

Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o2.np	Method	AAT/NAP
Start	5074	End	5909
GI	7441257	Score	984
Exons	5074..5695, 5777..5909		

GI Descrip.	probable membrane channel protein F11O4.1 - Arabidopsis thaliana gi|3695375|gb|AAC62778.1| (AF096370) contains similarity to the major intrinsic protein domain (Pfam: PF00230 MIP, E-value: 5.7e-111) [Arabidopsis thaliana] gi|7268190|emb|CAB77717.1| (AL161492) putative water channel protein [Arabidopsis thaliana]		
Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o1.ts	Method	TBLASTX:Soybean
Start	5077	End	5925
GI	none	Score	177
Exons	5077..5283, 5078..5284, 5283..5693, 5284..5652, 5754..5909, 5773..5925		
Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o1.tw	Method	TBLASTX:Wheat
Start	5113	End	5895
GI	none	Score	142
Exons	5113..5283, 5153..5284, 5283..5420, 5284..5418, 5391..5585, 5416..5622, 5445..5693, 5772..5849, 5773..5895		
Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o1.tm	Method	TBLASTX:Maize
Start	5176	End	5910
GI	none	Score	177
Exons	5176..5283, 5177..5284, 5283..5693, 5284..5655, 5772..5909, 5773..5910		
Seq. No.	40160	Seq. ID	OJ000209_23.0320.C9
Gene No.	83064	Strand	-
Start	5235	End	5980
Name	OJ000209_23.0320.C9.o3.gs	Method	GENSCAN
Start	5235	End	5909
GI	none	Score	.94
Exons	5235..5695, 5777..5909		
Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83065	Strand	+
Start	573	End	990
Name	OJ000209_23.0320.C11.o3.gp	Method	AAT/GAP
Start	573	End	990
GI	LIB3431-028-P1-N1-A10	Score	832
Exons	573..990		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83066	Strand	-
Start	1	End	1978
Name	OJ000209_23.0320.C11.o1.gp	Method	AAT/GAP
Start	1	End	1978
GI	342_1.R1084	Score	3052

Exons	1..219, 329..426, 509..528, 564..1978		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83066	Strand	-
Start	1	End	1978
Name	OJ000209_23.0320.C11.o1.gs	Method	GENSCAN
Start	636	End	1931
GI	none	Score	.54
Exons	636..1931		

Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83066	Strand	-
Start	1	End	1978
Name	OJ000209_23.0320.C11.o1.tw	Method	TBLASTX:Wheat
Start	684	End	1978
GI	none	Score	131
Exons	684..776, 765..845, 850..930, 858..998, 859..999, 946..1041, 978..1037, 1044..1088, 1049..1084, 1083..1448, 1098..1415, 1099..1977, 1115..1516, 1276..1974, 1500..1976, 1727..1978		

Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83066	Strand	-
Start	1	End	1978
Name	OJ000209_23.0320.C11.o1.np	Method	AAT/NAP
Start	1168	End	1978
GI	6742729	Score	1260
Exons	1168..1978		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83066	Strand	-
Start	1	End	1978
Name	OJ000209_23.0320.C11.o1.tc	Method	TBLASTX:Cress
Start	1266	End	1717
GI	none	Score	83
Exons	1266..1415, 1266..1448, 1270..1713, 1500..1709, 1562..1717		

Seq. No.	40161	Seq. ID	OJ000209_23.0320.C11
Gene No.	83066	Strand	-
Start	1	End	1978
Name	OJ000209_23.0320.C11.o1.tm	Method	TBLASTX:Maize
Start	1644	End	1958
GI	none	Score	70
Exons	1644..1874, 1644..1958, 1672..1947		

Seq. No.	40162	Seq. ID	OJ000209_23.0320.C12
Gene No.	83067	Strand	+
Start	979	End	1154
Name	OJ000209_23.0320.C12.o1.tm	Method	TBLASTX:Maize
Start	859	End	1154
GI	none	Score	153
Exons	859..993, 860..991, 962..1150, 985..1026, 1022..1150, 1027..1152, 1029..1154, 1038..1154		

Seq. No.	40162	Seq. ID	OJ000209_23.0320.C12

Gene No.	83067	Strand	+
Start	979	End	1154
Name	OJ000209_23.0320.C12.o1.gs	Method	GENSCAN
Start	979	End	1126
GI	none	Score	.61
Exons	979..1126		

Seq. No.	40163	Seq. ID	OJ000209_23.0320.C13
Gene No.	83068	Strand	+
Start	174	End	244
Name	OJ000209_23.0320.C13.o1.gs	Method	GENSCAN
Start	174	End	244
GI	none	Score	.83
Exons	174..244		

Seq. No.	40163	Seq. ID	OJ000209_23.0320.C13
Gene No.	83069	Strand	+
Start	900	End	1348
Name	OJ000209_23.0320.C13.o1.gp	Method	AAT/GAP
Start	900	End	1348
GI	LIB3432-059-P1-K1-D8	Score	728
Exons	900..1348		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	40163	Seq. ID	OJ000209_23.0320.C13
Gene No.	83070	Strand	-
Start	2089	End	2727
Name	OJ000209_23.0320.C13.o2.gp	Method	AAT/GAP
Start	2014	End	2727
GI	9_1.R1084	Score	982
Exons	2014..2319, 2430..2495, 2560..2727		
GI Descrip.	'1944204/dbj|AB002820|AB002820 0.0e+00 Oryza sativa mRNA for RicMT, complete cds'		

Seq. No.	40163	Seq. ID	OJ000209_23.0320.C13
Gene No.	83070	Strand	-
Start	2089	End	2727
Name	OJ000209_23.0320.C13.o2.gs	Method	GENSCAN
Start	2089	End	2713
GI	none	Score	.62
Exons	2089..2379, 2560..2713		

Seq. No.	40163	Seq. ID	OJ000209_23.0320.C13
Gene No.	83070	Strand	-
Start	2089	End	2727
Name	OJ000209_23.0320.C13.o1.np	Method	AAT/NAP
Start	2211	End	2624
GI	7441819	Score	421
Exons	2211..2319, 2430..2495, 2560..2624		
GI Descrip.	metallothionein-like protein - rice gi|1944205|dbj|BAA19661.1| (AB002820) RicMT [Oryza sativa]		

Seq. No.	40164	Seq. ID	OJ000209_23.0320.C14
Gene No.	83071	Strand	-
Start	708	End	1749
Name	OJ000209_23.0320.C14.o1.gs	Method	GENSCAN

Start	708	End	913
GI	none	Score	.86
Exons	708..913		

Seq. No.	40164	Seq. ID	OJ000209_23.0320.C14
Gene No.	83071	Strand	-
Start	708	End	1749
Name	OJ000209_23.0320.C14.o1.np	Method	AAT/NAP
Start	711	End	1749
GI	7488792	Score	258
Exons	711..848, 1308..1375, 1685..1749		
GI Descrip.	core protein - garden pea gi|1370287|emb|CAA97910.1| (Z73553) core protein [Pisum sativum]		

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83072	Strand	+
Start	8	End	208
Name	OJ000209_23.0320.C15.o1.gs	Method	GENSCAN
Start	8	End	208
GI	none	Score	.95
Exons	8..208		

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83073	Strand	-
Start	1	End	127
Name	OJ000209_23.0320.C15.o1.np	Method	AAT/NAP
Start	1	End	127
GI	7488792	Score	134
Exons	1..127		
GI Descrip.	core protein - garden pea gi|1370287|emb|CAA97910.1| (Z73553) core protein [Pisum sativum]		

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83074	Strand	-
Start	1467	End	2896
Name	OJ000209_23.0320.C15.o1.gp	Method	AAT/GAP
Start	1467	End	2896
GI	none	Score	653
Exons	1467..1508, 2335..2672, 2873..2896		

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83075	Strand	-
Start	5200	End	5524
Name	OJ000209_23.0320.C15.o1.tc	Method	TBLASTX:Cress
Start	831	End	2641
GI	none	Score	107
Exons	831..929, 831..929, 875..973, 1039..1131, 1040..1141, 1392..1520, 2335..2640, 2348..2641		

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83075	Strand	-
Start	5200	End	5524
Name	OJ000209_23.0320.C15.o1.tm	Method	TBLASTX:Maize
Start	858	End	2613
GI	none	Score	101
Exons	858..929, 858..929, 875..964, 997..1131, 1039..1131, 1040..1135, 1040..1132, 1392..1520, 1393..1434, 1394..1513, 1414..1521,		

2332..2610, 2334..2612, 2335..2613

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83075	Strand	-
Start	5200	End	5524
Name	OJ000209_23.0320.C15.o1.ts	Method	TBLASTX:Soybean
Start	1359	End	2671
GI	none	Score	78
Exons	1359..1511, 1398..1514, 2344..2664, 2353..2664, 2432..2671		

Seq. No.	40165	Seq. ID	OJ000209_23.0320.C15
Gene No.	83075	Strand	-
Start	5200	End	5524
Name	OJ000209_23.0320.C15.o2.np	Method	AAT/NAP
Start	5200	End	5524
GI	5042454	Score	65
Exons	5200..5253, 5469..5524		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83076	Strand	+
Start	914	End	4055
Name	OJ000209_23.0320.C16.o1.gs	Method	GENSCAN
Start	914	End	4055
GI	none	Score	.88
Exons	914..1240, 1286..1856, 2007..2175, 2270..3593, 3663..4055		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83076	Strand	+
Start	914	End	4055
Name	OJ000209_23.0320.C16.o1.np	Method	AAT/NAP
Start	914	End	4052
GI	6907089	Score	4580
Exons	914..4052		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83077	Strand	+
Start	10828	End	12275
Name	OJ000209_23.0320.C16.o4.np	Method	AAT/NAP
Start	10828	End	12099
GI	7523512	Score	148
Exons	10828..10862, 11978..12099		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83077	Strand	+
Start	10828	End	12275
Name	OJ000209_23.0320.C16.o3.np	Method	AAT/NAP
Start	10908	End	12275
GI	5922623	Score	192
Exons	10908..10981, 11528..11682, 11850..11925, 12221..12275		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16

Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o7.tw	Method	TBLASTX:Wheat
Start	1930	End	5297
GI	none	Score	76
Exons	1930..2031, 4695..4820, 4699..4821, 5013..5297, 5014..5292		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o2.np	Method	AAT/NAP
Start	4686	End	10830
GI	7228457	Score	9647
Exons	4686..6229, 6296..7447, 7570..8404, 8468..10402, 10464..10830		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o4.tw	Method	TBLASTX:Wheat
Start	5298	End	5675
GI	none	Score	165
Exons	5298..5675, 5329..5577, 5337..5675		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o3.tm	Method	TBLASTX:Maize
Start	5454	End	5816
GI	none	Score	197
Exons	5454..5501, 5493..5816, 5506..5787		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o5.tw	Method	TBLASTX:Wheat
Start	6317	End	9776
GI	none	Score	88
Exons	6317..6466, 6318..6455, 6500..6751, 6501..6686, 6539..6775, 9723..9776		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o1.ts	Method	TBLASTX:Soybean
Start	7376	End	7747
GI	none	Score	90
Exons	7376..7747, 7587..7730		

Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o2.tw	Method	TBLASTX:Wheat
Start	7406	End	7826
GI	none	Score	320

Exons	7406..7825, 7413..7826		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o2.tm	Method	TBLASTX:Maize
Start	7499	End	7883
GI	none	Score	236
Exons	7499..7882, 7518..7883		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o1.tm	Method	TBLASTX:Maize
Start	7910	End	8266
GI	none	Score	119
Exons	7910..8215, 7910..8266, 7920..8231		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o1.tw	Method	TBLASTX:Wheat
Start	7934	End	8397
GI	none	Score	224
Exons	7934..8395, 7940..8395, 7941..8396, 7954..8397		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o2.ts	Method	TBLASTX:Soybean
Start	7991	End	8356
GI	none	Score	113
Exons	7991..8125, 8132..8356		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o3.tw	Method	TBLASTX:Wheat
Start	8561	End	9047
GI	none	Score	170
Exons	8561..9046, 8592..8852, 8874..9047		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o6.tw	Method	TBLASTX:Wheat
Start	9784	End	10336
GI	none	Score	92
Exons	9784..10041, 9818..10057, 10024..10122, 10025..10117, 10129..10176, 10301..10336		
Seq. No.	40166	Seq. ID	OJ000209_23.0320.C16
Gene No.	83078	Strand	-
Start	4686	End	10830
Name	OJ000209_23.0320.C16.o4.tm	Method	TBLASTX:Maize
Start	9886	End	10171
GI	none	Score	92

Exons	9886..10134, 9887..10171		
Seq. No.	40167	Seq. ID	OJ000209_23.0320.C17
Gene No.	83079	Strand	-
Start	1589	End	1658
Name	OJ000209_23.0320.C17.o1.gs	Method	GENSCAN
Start	1589	End	1658
GI	none	Score	.5
Exons	1589..1658		
Seq. No.	40168	Seq. ID	OJ000209_23.0320.C19
Gene No.	83080	Strand	-
Start	140	End	1793
Name	OJ000209_23.0320.C19.o1.gs	Method	GENSCAN
Start	140	End	1787
GI	none	Score	.87
Exons	140..624, 732..948, 1479..1787		
Seq. No.	40168	Seq. ID	OJ000209_23.0320.C19
Gene No.	83080	Strand	-
Start	140	End	1793
Name	OJ000209_23.0320.C19.o1.np	Method	AAT/NAP
Start	164	End	1665
GI	7485416	Score	605
Exons	164..624, 732..975, 1500..1665		
GI Descrip.	hypothetical protein F12L6.31 - Arabidopsis thaliana gi|2795804|gb|AAB97120.1| (AC003674) unknown protein [Arabidopsis thaliana]		
Seq. No.	40168	Seq. ID	OJ000209_23.0320.C19
Gene No.	83080	Strand	-
Start	140	End	1793
Name	OJ000209_23.0320.C19.o1.tm	Method	TBLASTX:Maize
Start	338	End	828
GI	none	Score	79
Exons	338..610, 730..828		
Seq. No.	40168	Seq. ID	OJ000209_23.0320.C19
Gene No.	83080	Strand	-
Start	140	End	1793
Name	OJ000209_23.0320.C19.o1.ts	Method	TBLASTX:Soybean
Start	338	End	831
GI	none	Score	61
Exons	338..577, 587..625, 730..831		
Seq. No.	40168	Seq. ID	OJ000209_23.0320.C19
Gene No.	83080	Strand	-
Start	140	End	1793
Name	OJ000209_23.0320.C19.o1.tc	Method	TBLASTX:Cress
Start	473	End	1613
GI	none	Score	73
Exons	473..514, 497..577, 516..584, 593..625, 730..975, 731..907, 1545..1613		
Seq. No.	40168	Seq. ID	OJ000209_23.0320.C19
Gene No.	83080	Strand	-
Start	140	End	1793

Name	OJ000209_23.0320.C19.o1.gp	Method	AAT/GAP
Start	1511	End	1793
GI	701278	Score	518
Exons	1511..1793		

Seq. No.	40169	Seq. ID	OJ000209_23.0320.C20
Gene No.	83081	Strand	+
Start	608	End	709
Name	OJ000209_23.0320.C20.o1.gs	Method	GENSCAN
Start	608	End	709
GI	none	Score	.59
Exons	608..709		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83082	Strand	+
Start	3820	End	5963
Name	OJ000209_23.0320.C21.o3.gs	Method	GENSCAN
Start	3820	End	5963
GI	none	Score	.6
Exons	3820..3856, 5890..5963		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83083	Strand	+
Start	6935	End	8099
Name	OJ000209_23.0320.C21.o2.gp	Method	AAT/GAP
Start	6935	End	7393
GI	33368_1.R1084	Score	895
Exons	6935..7393		
GI Descrip.	'4580389/gb|AAD24367.1|AC007171_3 8.0e-29 (AC007171) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83083	Strand	+
Start	6935	End	8099
Name	OJ000209_23.0320.C21.o2.np	Method	AAT/NAP
Start	7024	End	8099
GI	4580389	Score	1252
Exons	7024..8099		
GI Descrip.	(AC007171) legumin-like protein [Arabidopsis thaliana]		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83084	Strand	+
Start	10399	End	13506
Name	OJ000209_23.0320.C21.o3.np	Method	AAT/NAP
Start	10396	End	13506
GI	7019665	Score	2009
Exons	10396..10788, 11542..11602, 11684..11859, 11955..12155, 12475..12734, 12815..13125, 13206..13506		
GI Descrip.	(AL132954) P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83084	Strand	+
Start	10399	End	13506
Name	OJ000209_23.0320.C21.o5.gs	Method	GENSCAN
Start	10399	End	13426
GI	none	Score	.8
Exons	10399..10776, 11548..11602, 11684..11859, 11955..12051,		

12101..12155, 12815..13125, 13206..13426

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83085	Strand	-
Start	322	End	917
Name	OJ000209_23.0320.C21.o1.gp	Method	AAT/GAP
Start	322	End	777
GI	none	Score	434
Exons	322..387, 492..555, 654..777		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83085	Strand	-
Start	322	End	917
Name	OJ000209_23.0320.C21.o1.gs	Method	GENSCAN
Start	401	End	917
GI	none	Score	.7
Exons	401..555, 654..769, 858..917		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83086	Strand	-
Start	2082	End	4840
Name	OJ000209_23.0320.C21.o2.gs	Method	GENSCAN
Start	2082	End	2696
GI	none	Score	1
Exons	2082..2696		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83086	Strand	-
Start	2082	End	4840
Name	OJ000209_23.0320.C21.o1.np	Method	AAT/NAP
Start	2118	End	4840
GI	7413649	Score	265
Exons	2118..2346, 2593..2652, 4768..4840		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o4.tm	Method	TBLASTX:Maize
Start	2136	End	2348
GI	none	Score	51
Exons	2136..2189, 2137..2301, 2151..2348, 2253..2309		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o2.tm	Method	TBLASTX:Maize
Start	6982	End	7464
GI	none	Score	448
Exons	6982..7464, 6999..7421		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o2.tc	Method	TBLASTX:Cress
Start	7017	End	7619
GI	none	Score	206

Exons	7017..7250, 7018..7269, 7260..7331, 7261..7332, 7350..7409, 7351..7464, 7476..7619, 7523..7618		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o2.tw	Method	TBLASTX:Wheat
Start	7017	End	7332
GI	none	Score	367
Exons	7017..7331, 7021..7332		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o1.ts	Method	TBLASTX:Soybean
Start	7023	End	7664
GI	none	Score	197
Exons	7023..7250, 7024..7269, 7260..7331, 7261..7332, 7347..7409, 7348..7464, 7476..7664, 7505..7663		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o3.tw	Method	TBLASTX:Wheat
Start	7342	End	7595
GI	none	Score	113
Exons	7342..7464, 7347..7421, 7476..7595, 7490..7582		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o1.tm	Method	TBLASTX:Maize
Start	7476	End	8099
GI	none	Score	984
Exons	7476..8099, 7490..8092		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o3.ts	Method	TBLASTX:Soybean
Start	7668	End	8102
GI	none	Score	301
Exons	7668..8102, 7781..8095		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o1.tw	Method	TBLASTX:Wheat
Start	7784	End	8101
GI	none	Score	472
Exons	7784..8095, 7785..8096, 7991..8101		
Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o3.tc	Method	TBLASTX:Cress
Start	7821	End	8099

GI	none	Score	328
Exons	7821..8099, 7823..8092		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83087	Strand	-
Start	7854	End	8299
Name	OJ000209_23.0320.C21.o3.gp	Method	AAT/GAP
Start	7854	End	8299
GI	41795_1.R1084	Score	833
Exons	7854..8299		
GI Descrip.	'4580389/gb|AAD24367.1|AC007171_3 8.0e-18 (AC007171) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83088	Strand	
Start	11545	End	13437
Name	OJ000209_23.0320.C21.o1.tc	Method	TBLASTX:Cress
Start	11545	End	13437
GI	none	Score	50
Exons	11545..11601, 11638..11820, 11661..11777, 11680..11871, 11939..12079, 11955..12158, 11967..12149, 12487..12735, 12819..12905, 12879..13127, 12903..13136, 12917..13126, 12941..13138, 13199..13348, 13201..13332, 13202..13348, 13204..13350, 13339..13437, 13340..13429, 13340..13429		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83088	Strand	
Start	11545	End	13437
Name	OJ000209_23.0320.C21.o5.tm	Method	TBLASTX:Maize
Start	11704	End	12160
GI	none	Score	121
Exons	11704..11868, 11954..12160, 11955..12155		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83088	Strand	
Start	11545	End	13437
Name	OJ000209_23.0320.C21.o3.tm	Method	TBLASTX:Maize
Start	12846	End	13423
GI	none	Score	62
Exons	12846..12917, 12915..13136, 12920..13126, 13201..13377, 13205..13378, 13367..13423		

Seq. No.	40170	Seq. ID	OJ000209_23.0320.C21
Gene No.	83088	Strand	
Start	11545	End	13437
Name	OJ000209_23.0320.C21.o2.ts	Method	TBLASTX:Soybean
Start	12921	End	13348
GI	none	Score	196
Exons	12921..13136, 12923..13126, 13201..13347, 13202..13348		

Seq. No.	40171	Seq. ID	OJ000209_23.0320.C23
Gene No.	83089	Strand	+
Start	42	End	1251
Name	OJ000209_23.0320.C23.o1.gs	Method	GENSCAN
Start	42	End	1243
GI	none	Score	.99
Exons	42..214, 1063..1243		

Seq. No.	40171	Seq. ID	OJ000209_23.0320.C23
Gene No.	83089	Strand	+
Start	42	End	1251
Name	OJ000209_23.0320.C23.o1.tm	Method	TBLASTX:Maize
Start	86	End	1251
GI	none	Score	126
Exons	86..214, 99..215, 573..638, 575..640, 576..638, 1055..1240, 1060..1242, 1060..1251		

Seq. No.	40172	Seq. ID	OJ000209_23.0320.C25
Gene No.	83090	Strand	+
Start	388	End	966
Name	OJ000209_23.0320.C25.o1.gs	Method	GENSCAN
Start	388	End	966
GI	none	Score	.75
Exons	388..966		

Seq. No.	40172	Seq. ID	OJ000209_23.0320.C25
Gene No.	83091	Strand	+
Start	978	End	1041
Name	OJ000209_23.0320.C25.o1.gp	Method	AAT/GAP
Start	978	End	1041
GI	LIB3477-003-P1-K1-E9	Score	75
Exons	978..1041		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83092	Strand	+
Start	70	End	6459
Name	OJ000209_23.0320.C26.o1.gs	Method	GENSCAN
Start	70	End	2730
GI	none	Score	.59
Exons	70..276, 333..1149, 1303..1699, 1875..2730		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83092	Strand	+
Start	70	End	6459
Name	OJ000209_23.0320.C26.o1.np	Method	AAT/NAP
Start	351	End	6456
GI	7228457	Score	9295
Exons	351..717, 779..2667, 2731..3565, 3688..4839, 4906..6456		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83092	Strand	+
Start	70	End	6459
Name	OJ000209_23.0320.C26.o2.gs	Method	GENSCAN
Start	2794	End	6459
GI	none	Score	1
Exons	2794..6459		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26

Gene No.	83093	Strand	+
Start	6620	End	7081
Name	OJ000209_23.0320.C26.o1.gp	Method	AAT/GAP
Start	6620	End	7081
GI	2428323	Score	846
Exons	6620..7081		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83094	Strand	-
Start	7089	End	10350
Name	OJ000209_23.0320.C26.o3.gs	Method	GENSCAN
Start	7089	End	10350
GI	none	Score	.79
Exons	7089..9088, 9168..10350		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83094	Strand	-
Start	7089	End	10350
Name	OJ000209_23.0320.C26.o2.np	Method	AAT/NAP
Start	7092	End	10350
GI	5803259	Score	5210
Exons	7092..8991, 9089..10350		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o7.tw	Method	TBLASTX:Wheat
Start	845	End	1261
GI	none	Score	34
Exons	845..880, 1005..1052, 1059..1157, 1064..1156, 1124..1261, 1140..1259		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o4.tm	Method	TBLASTX:Maize
Start	1010	End	1295
GI	none	Score	195
Exons	1010..1294, 1047..1295		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o4.tw	Method	TBLASTX:Wheat
Start	1262	End	5844
GI	none	Score	375
Exons	1262..1342, 5463..5519, 5464..5844, 5565..5813		

Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o5.tw	Method	TBLASTX:Wheat
Start	1405	End	4818
GI	none	Score	232

Exons	1405..1458, 4384..4635, 4384..4581, 4449..4625, 4669..4818, 4678..4815, 4680..4817		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o3.tw	Method	TBLASTX:Wheat
Start	2088	End	2574
GI	none	Score	403
Exons	2088..2261, 2089..2574, 2283..2543, 2353..2547		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o1.tw	Method	TBLASTX:Wheat
Start	2738	End	3201
GI	none	Score	205
Exons	2738..3181, 2739..3194, 2740..3201, 2740..3195		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o1.tm	Method	TBLASTX:Maize
Start	2869	End	3225
GI	none	Score	392
Exons	2869..3225, 2904..3215, 2920..3225		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o3.tm	Method	TBLASTX:Maize
Start	3252	End	3636
GI	none	Score	361
Exons	3252..3617, 3253..3636		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o2.tw	Method	TBLASTX:Wheat
Start	3309	End	3729
GI	none	Score	479
Exons	3309..3722, 3310..3729		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o1.ts	Method	TBLASTX:Soybean
Start	3388	End	3759
GI	none	Score	278
Exons	3388..3759, 3405..3548		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o2.ts	Method	TBLASTX:Soybean
Start	4507	End	5073
GI	5666795	Score	68

Exons	4507..4605, 4681..4818, 4858..5073		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o8.tw	Method	TBLASTX:Wheat
Start	4821	End	5133
GI	none	Score	199
Exons	4821..4988, 4858..5133		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o2.tm	Method	TBLASTX:Maize
Start	5326	End	5649
GI	none	Score	364
Exons	5326..5649, 5355..5636		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o6.tw	Method	TBLASTX:Wheat
Start	5845	End	6447
GI	none	Score	259
Exons	5845..6129, 5849..5920, 5850..5948, 5985..6155, 5985..6128, 6321..6443, 6322..6447		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o5.tm	Method	TBLASTX:Maize
Start	6316	End	6456
GI	none	Score	183
Exons	6316..6456, 6321..6455		
Seq. No.	40173	Seq. ID	OJ000209_23.0320.C26
Gene No.	83095	Strand	-
Start	10988	End	11146
Name	OJ000209_23.0320.C26.o3.np	Method	AAT/NAP
Start	10988	End	11146
GI	7523512	Score	109
Exons	10988..11146		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83096	Strand	+
Start	333	End	5354
Name	OJ000209_23.0320.C27.o1.gs	Method	GENSCAN
Start	333	End	5354
GI	none	Score	.89
Exons	333..419, 655..825, 1657..3078, 3153..3294, 3420..3562, 3564..4249, 4359..4532, 4629..4739, 4824..4896, 4991..5089, 5169..5354		
Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83096	Strand	+

Start	333	End	5354
Name	OJ000209_23.0320.C27.o2.np	Method	AAT/NAP
Start	1642	End	5336
GI	4680204	Score	1052
Exons	1642..3078, 3153..4249, 4359..4532, 4629..4848, 5199..5336		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83097	Strand	+
Start	8089	End	9178
Name	OJ000209_23.0320.C27.o3.gs	Method	GENSCAN
Start	8089	End	8976
GI	none	Score	.98
Exons	8089..8146, 8654..8976		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83097	Strand	+
Start	8089	End	9178
Name	OJ000209_23.0320.C27.o3.np	Method	AAT/NAP
Start	8089	End	9178
GI	7434287	Score	399
Exons	8089..8157, 8689..8976, 9057..9178		
GI Descrip.	protein kinase homolog F12L6.32 - Arabidopsis thaliana gi|2795805|gb|AAB97121.1| (AC003674) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83098	Strand	-
Start	1	End	858
Name	OJ000209_23.0320.C27.o1.np	Method	AAT/NAP
Start	1	End	858
GI	5922623	Score	236
Exons	1..78, 246..398, 774..858		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83099	Strand	-
Start	6439	End	7329
Name	OJ000209_23.0320.C27.o1.tw	Method	TBLASTX:Wheat
Start	2285	End	2688
GI	none	Score	62
Exons	2285..2425, 2285..2395, 2287..2523, 2287..2436, 2388..2555, 2518..2688		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83099	Strand	-
Start	6439	End	7329
Name	OJ000209_23.0320.C27.o2.gs	Method	GENSCAN
Start	6439	End	7329
GI	none	Score	.58
Exons	6439..6750, 6783..7031, 7033..7329		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83100	Strand	
Start	8034	End	9101

Name	OJ000209_23.0320.C27.o1.tm	Method	TBLASTX:Maize
Start	8034	End	9101
GI	none	Score	72
Exons	8034..8144, 8086..8145, 8700..8819, 8712..8975, 8734..8976, 9042..9101, 9059..9100		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83100	Strand	
Start	8034	End	9101
Name	OJ000209_23.0320.C27.o1.tc	Method	TBLASTX:Cress
Start	8733	End	9101
GI	none	Score	341
Exons	8733..8984, 8737..8985, 9042..9101		

Seq. No.	40174	Seq. ID	OJ000209_23.0320.C27
Gene No.	83100	Strand	
Start	8034	End	9101
Name	OJ000209_23.0320.C27.o1.ts	Method	TBLASTX:Soybean
Start	8733	End	9101
GI	none	Score	353
Exons	8733..8975, 8734..8976, 9042..9101, 9056..9100		

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83101	Strand	-
Start	1	End	1847
Name	OJ000209_23.0320.C30.o1.np	Method	AAT/NAP
Start	1	End	1350
GI	7522012	Score	114
Exons	1..71, 168..332, 411..511, 631..755, 1022..1133, 1271..1350		
GI Descrip.	hypothetical protein Sand - Fugu rubripes gi|3928166|emb|CAA09085.1| (AJ010317) Sand [Fugu rubripes]		

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83101	Strand	-
Start	1	End	1847
Name	OJ000209_23.0320.C30.o1.gp	Method	AAT/GAP
Start	197	End	1121
GI	uC-osflcyp155e10b1	Score	809
Exons	197..332, 411..532, 655..755, 883..922, 1062..1121		
GI Descrip.	'3928166/emb|CAA09085.1| 8.0e-21 (AJ010317) Sand [Fugu rubripes]'		

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83101	Strand	-
Start	1	End	1847
Name	OJ000209_23.0320.C30.o1.gs	Method	GENSCAN
Start	811	End	1847
GI	none	Score	.63
Exons	811..922, 1474..1847		

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83102	Strand	-
Start	3081	End	3354
Name	OJ000209_23.0320.C30.o1.tw	Method	TBLASTX:Wheat
Start	188	End	461
GI	none	Score	192
Exons	188..340, 193..342, 197..358, 198..353, 395..454, 405..461,		

409..453, 411..455

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83102	Strand	-
Start	3081	End	3354
Name	OJ000209_23.0320.C30.o1.tm	Method	TBLASTX:Maize
Start	3070	End	3353
GI	none	Score	293
Exons	3070..3303, 3078..3350, 3078..3353		

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83102	Strand	-
Start	3081	End	3354
Name	OJ000209_23.0320.C30.o1.ts	Method	TBLASTX:Soybean
Start	3078	End	3353
GI	none	Score	272
Exons	3078..3353, 3097..3303		

Seq. No.	40175	Seq. ID	OJ000209_23.0320.C30
Gene No.	83102	Strand	-
Start	3081	End	3354
Name	OJ000209_23.0320.C30.o2.np	Method	AAT/NAP
Start	3081	End	3354
GI	7019665	Score	384
Exons	3081..3354		
GI Descrip.	(AL132954) P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	40176	Seq. ID	OJ000229_22.0323.C1
Gene No.	83103	Strand	+
Start	351	End	567
Name	OJ000229_22.0323.C1.o1.gs	Method	GENSCAN
Start	351	End	567
GI	none	Score	.4
Exons	351..567		

Seq. No.	40177	Seq. ID	OJ000229_22.0323.C2
Gene No.	83104	Strand	+
Start	5048	End	6584
Name	OJ000229_22.0323.C2.o1.np	Method	AAT/NAP
Start	5048	End	6584
GI	3777617	Score	143
Exons	5048..5224, 5303..5379, 6342..6584		
GI Descrip.	(AF097709) serine protease [Homo sapiens]		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.np	Method	AAT/NAP
Start	1341	End	5443
GI	7452452	Score	1750
Exons	1341..1388, 2633..2973, 3122..3554, 4634..5443		
GI Descrip.	hypothetical protein F6E13.22 - Arabidopsis thaliana gi|3212865|gb|AAC23416.1| (AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+

Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.gs	Method	GENSCAN
Start	2373	End	5428
GI	none	Score	.69
Exons	2373..2501, 2558..2973, 3122..3554, 4634..4733, 4905..5428		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o4.ts	Method	TBLASTX:Soybean
Start	2639	End	2842
GI	none	Score	199
Exons	2639..2842, 2668..2796		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	2741	End	5287
GI	none	Score	67
Exons	2741..2782, 3485..3550, 3486..3557, 3488..3580, 4623..4979, 4628..5284, 4629..4841, 4634..5287, 4930..5286		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	3115	End	3349
GI	none	Score	72
Exons	3115..3240, 3116..3349, 3117..3347, 3268..3348		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	3119	End	3557
GI	none	Score	571
Exons	3119..3550, 3120..3557, 3120..3554		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	3122	End	3484
GI	none	Score	519
Exons	3122..3484, 3123..3449, 3136..3480, 3137..3484		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.gp	Method	AAT/GAP
Start	3204	End	5872
GI	1171_1.R1084	Score	3094
Exons	3204..3554, 4634..5872		
GI Descrip.	'3212865 1.0e-146 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	3350	End	5167
GI	none	Score	292
Exons	3350..3550, 3351..3557, 3351..3554, 4633..4872, 4634..4978, 4969..5157, 4970..5167		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	3396	End	4889
GI	none	Score	259
Exons	3396..3557, 3401..3550, 3402..3554, 4624..4872, 4628..4888, 4629..4889, 4634..4840, 4753..4869		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	4628	End	4866
GI	none	Score	305
Exons	4628..4840, 4633..4866, 4634..4840		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o3.tc	Method	TBLASTX:Cress
Start	5107	End	5355
GI	none	Score	227
Exons	5107..5355, 5108..5344		

Seq. No.	40178	Seq. ID	OJ000229_22.0323.C5
Gene No.	83105	Strand	+
Start	1341	End	5872
Name	OJ000229_22.0323.C5.o3.ts	Method	TBLASTX:Soybean
Start	5171	End	5437
GI	none	Score	268
Exons	5171..5437, 5173..5421		

Seq. No.	40179	Seq. ID	OJ000229_22.0323.C6
Gene No.	83106	Strand	+
Start	348	End	452
Name	OJ000229_22.0323.C6.o1.gs	Method	GENSCAN
Start	348	End	452
GI	none	Score	.51
Exons	348..452		

Seq. No.	40179	Seq. ID	OJ000229_22.0323.C6
Gene No.	83107	Strand	-
Start	556	End	1469
Name	OJ000229_22.0323.C6.o2.gs	Method	GENSCAN
Start	556	End	1400
GI	none	Score	.66
Exons	556..620, 718..958, 1371..1400		

Seq. No.	40179	Seq. ID	OJ000229_22.0323.C6
Gene No.	83107	Strand	-
Start	556	End	1469
Name	OJ000229_22.0323.C6.o1.gp	Method	AAT/GAP
Start	839	End	1469
GI	none	Score	755
Exons	839..1173, 1371..1469		

Seq. No.	40180	Seq. ID	OJ000229_22.0323.C8
Gene No.	83108	Strand	+
Start	2005	End	4370
Name	OJ000229_22.0323.C8.o1.gs	Method	GENSCAN
Start	2005	End	4370
GI	none	Score	.85
Exons	2005..2206, 2635..2659, 2775..2869, 2896..3028, 3082..3188, 3215..3309, 4251..4370		

Seq. No.	40180	Seq. ID	OJ000229_22.0323.C8
Gene No.	83108	Strand	+
Start	2005	End	4370
Name	OJ000229_22.0323.C8.o1.np	Method	AAT/NAP
Start	2459	End	2974
GI	7340909	Score	130
Exons	2459..2730, 2769..2974		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	40181	Seq. ID	OJ000229_22.0323.C12
Gene No.	83109	Strand	-
Start	3032	End	3157
Name	OJ000229_22.0323.C12.o1.np	Method	AAT/NAP
Start	3032	End	3157
GI	7340920	Score	138
Exons	3032..3157		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	40182	Seq. ID	OJ000229_22.0323.C13
Gene No.	83110	Strand	+
Start	804	End	1745
Name	OJ000229_22.0323.C13.o1.gs	Method	GENSCAN
Start	804	End	1745
GI	none	Score	.9
Exons	804..855, 1438..1745		

Seq. No.	40182	Seq. ID	OJ000229_22.0323.C13
Gene No.	83111	Strand	-
Start	441	End	555
Name	OJ000229_22.0323.C13.o1.gp	Method	AAT/GAP
Start	441	End	555
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	441..555		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40182	Seq. ID	OJ000229_22.0323.C13
Gene No.	83112	Strand	-

Start	4154	End	4266
Name	OJ000229_22.0323.C13.o2.gs	Method	GENSCAN
Start	4154	End	4266
GI	none	Score	.89
Exons	4154..4266		

Seq. No.	40183	Seq. ID	OJ000229_22.0323.C18
Gene No.	83113	Strand	+
Start	151	End	2466
Name	OJ000229_22.0323.C18.o1.gs	Method	GENSCAN
Start	151	End	2466
GI	none	Score	.89
Exons	151..270, 949..996, 1093..1161, 2323..2466		

Seq. No.	40183	Seq. ID	OJ000229_22.0323.C18
Gene No.	83113	Strand	+
Start	151	End	2466
Name	OJ000229_22.0323.C18.o1.gp	Method	AAT/GAP
Start	174	End	281
GI	3768153	Score	169
Exons	174..281		
GI Descrip.	3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]		

Seq. No.	40183	Seq. ID	OJ000229_22.0323.C18
Gene No.	83113	Strand	+
Start	151	End	2466
Name	OJ000229_22.0323.C18.o2.gp	Method	AAT/GAP
Start	1092	End	2466
GI	22664_1.R1084	Score	387
Exons	1092..1161, 2323..2466		
GI Descrip.	'3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40184	Seq. ID	OJ000229_22.0323.C19
Gene No.	83114	Strand	+
Start	1	End	505
Name	OJ000229_22.0323.C19.o1.gp	Method	AAT/GAP
Start	1	End	505
GI	22664_1.R1084	Score	960
Exons	1..505		
GI Descrip.	'3212854 4.0e-29 (AC004005) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40184	Seq. ID	OJ000229_22.0323.C19
Gene No.	83115	Strand	-
Start	1183	End	1584
Name	OJ000229_22.0323.C19.o1.gs	Method	GENSCAN
Start	1183	End	1584
GI	none	Score	1
Exons	1183..1584		

Seq. No.	40185	Seq. ID	OJ000229_22.0323.C20
Gene No.	83116	Strand	-
Start	1304	End	1656
Name	OJ000229_22.0323.C20.o1.gs	Method	GENSCAN
Start	1304	End	1656

GI	none	Score	.79
Exons	1304..1418, 1532..1656		

Seq. No.	40186	Seq. ID	OJ000229_22.0323.C22
Gene No.	83117	Strand	+
Start	599	End	3982
Name	OJ000229_22.0323.C22.o1.gs	Method	GENSCAN
Start	599	End	3982
GI	none	Score	.65
Exons	599..724, 3704..3982		

Seq. No.	40186	Seq. ID	OJ000229_22.0323.C22
Gene No.	83118	Strand	-
Start	6003	End	6499
Name	OJ000229_22.0323.C22.o1.np	Method	AAT/NAP
Start	6003	End	6499
GI	4206204	Score	143
Exons	6003..6499		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83119	Strand	+
Start	885	End	1862
Name	OJ000229_22.0323.C25.o1.gs	Method	GENSCAN
Start	885	End	1862
GI	none	Score	.53
Exons	885..1023, 1355..1450, 1726..1862		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83120	Strand	+
Start	2723	End	5552
Name	OJ000229_22.0323.C25.o1.gp	Method	AAT/GAP
Start	2723	End	5552
GI	331_1.R1084	Score	3281
Exons	2723..2932, 3825..4059, 4146..4516, 4629..5552		
GI Descrip.	'1136122/emb|CAA62917| 0.0e+00 (X91807) alfa-tubulin [Oryza sativa]'		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83120	Strand	+
Start	2723	End	5552
Name	OJ000229_22.0323.C25.o1.np	Method	AAT/NAP
Start	2840	End	5282
GI	1136122	Score	2269
Exons	2840..2932, 3825..4059, 4146..4516, 4629..5282		
GI Descrip.	(X91807) alfa-tubulin [Oryza sativa]		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83120	Strand	+
Start	2723	End	5552
Name	OJ000229_22.0323.C25.o3.gs	Method	GENSCAN
Start	3837	End	5285
GI	none	Score	.96
Exons	3837..4059, 4146..4516, 4629..5285		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83121	Strand	-

Start	2261	End	3363
Name	OJ000229_22.0323.C25.o2.gs	Method	GENSCAN
Start	2261	End	3363
GI	none	Score	.78
Exons	2261..2452, 2744..3140, 3320..3363		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o2.tw	Method	TBLASTX:Wheat
Start	2743	End	4336
GI	none	Score	183
Exons	2743..2772, 2833..2928, 2834..2932, 2840..2932, 3819..4058, 3819..4028, 3824..4060, 4145..4321, 4147..4308, 4304..4336		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o1.tc	Method	TBLASTX:Cress
Start	2828	End	5234
GI	none	Score	176
Exons	2828..2932, 2839..2928, 2840..2932, 3819..4058, 3819..4028, 3824..4060, 4142..4522, 4145..4516, 4610..4738, 4611..4739, 4734..4829, 4739..5152, 4740..5225, 4899..5234		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o1.tm	Method	TBLASTX:Maize
Start	2830	End	5243
GI	none	Score	166
Exons	2830..2928, 2831..2932, 2840..2932, 3818..4057, 3819..4058, 3822..4028, 3824..4057, 4142..4522, 4144..4239, 4145..4507, 4291..4512, 4611..5225, 4625..5152, 4905..5243		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o1.ts	Method	TBLASTX:Soybean
Start	2858	End	5243
GI	none	Score	87
Exons	2858..2908, 2860..2907, 2908..2928, 3824..3862, 3825..3863, 3859..3879, 3891..3992, 3896..3991, 3989..4042, 3990..4043, 4139..4522, 4147..4239, 4158..4517, 4610..4672, 4611..4673, 4670..4858, 4671..4862, 4860..4919, 4862..4918, 4901..5152, 4902..5225, 4923..5243		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o3.tw	Method	TBLASTX:Wheat
Start	4337	End	4522
GI	none	Score	304
Exons	4337..4522, 4343..4516, 4344..4517		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-

Start	6961	End	9435
Name	OJ000229_22.0323.C25.o1.tw	Method	TBLASTX:Wheat
Start	4654	End	5366
GI	none	Score	977
Exons	4654..4701, 4656..4829, 4658..5152, 4659..5225, 4902..5246, 5331..5366, 5331..5363		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o2.gp	Method	AAT/GAP
Start	6760	End	8834
GI	LIB3431-055-P1-N1-D7	Score	1130
Exons	6760..7122, 7404..7448, 7610..7696, 8727..8834		
GI Descrip.	'3861104/emb|CAA15004| 3.0e-21 (AJ235272) HEMOLYSIN (tlyA) [Rickettsia prowazekii]'		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o2.np	Method	AAT/NAP
Start	6936	End	9435
GI	1731101	Score	237
Exons	6936..7122, 7404..7448, 7610..7696, 8727..8855, 8976..9132, 9229..9435		
GI Descrip.	HYPOTHETICAL 29.7 KD PROTEIN IN FOLD-AHRC INTERGENIC REGION gi|7447260|pir||G69967 hemolysin homolog yqxC - Bacillus subtilis gi|1303921|dbj|BAA12577.1| (D84432) YqiF [Bacillus subtilis] gi|2634860|emb|CAB14357.1| (Z99116) alternate gene name: yqiF; similar to hemolysin-like [Bacillus subtilis]		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o4.gs	Method	GENSCAN
Start	6961	End	9331
GI	none	Score	.8
Exons	6961..7122, 7404..7448, 7610..7696, 8727..8855, 8976..9132, 9229..9331		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o3.tm	Method	TBLASTX:Maize
Start	6974	End	7116
GI	none	Score	201
Exons	6974..7114, 6979..7116, 6997..7116		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o2.tm	Method	TBLASTX:Maize
Start	7398	End	9074
GI	none	Score	78
Exons	7398..7451, 7401..7451, 7595..7696, 7607..7696, 7638..7712, 8724..8858, 8725..8856, 8727..8876, 8970..9074, 8975..9073		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o2.tc	Method	TBLASTX:Cress
Start	8719	End	9348
GI	none	Score	102
Exons	8719..8859, 8736..8858, 8970..9134, 8975..9073, 9013..9081, 9201..9326, 9208..9348, 9228..9338		

Seq. No.	40187	Seq. ID	OJ000229_22.0323.C25
Gene No.	83122	Strand	-
Start	6961	End	9435
Name	OJ000229_22.0323.C25.o2.ts	Method	TBLASTX:Soybean
Start	9042	End	9338
GI	none	Score	60
Exons	9042..9134, 9222..9320, 9228..9338, 9229..9333		

Seq. No.	40188	Seq. ID	OJ000229_22.0323.C27
Gene No.	83123	Strand	+
Start	3344	End	4559
Name	OJ000229_22.0323.C27.o1.gs	Method	GENSCAN
Start	3344	End	4559
GI	none	Score	.84
Exons	3344..3746, 4462..4559		

Seq. No.	40188	Seq. ID	OJ000229_22.0323.C27
Gene No.	83124	Strand	-
Start	6171	End	6299
Name	OJ000229_22.0323.C27.o2.gs	Method	GENSCAN
Start	6171	End	6299
GI	none	Score	.97
Exons	6171..6299		

Seq. No.	40189	Seq. ID	OJ000229_22.0323.C28
Gene No.	83125	Strand	+
Start	1989	End	4428
Name	OJ000229_22.0323.C28.o1.gs	Method	GENSCAN
Start	1989	End	4428
GI	none	Score	.98
Exons	1989..2553, 2664..3199, 3913..4428		

Seq. No.	40189	Seq. ID	OJ000229_22.0323.C28
Gene No.	83125	Strand	+
Start	1989	End	4428
Name	OJ000229_22.0323.C28.o1.tm	Method	TBLASTX:Maize
Start	2683	End	3121
GI	none	Score	68
Exons	2683..2808, 2687..2809, 2864..2989, 2867..2995, 3002..3118, 3005..3121		

Seq. No.	40190	Seq. ID	OJ000229_22.0323.C29
Gene No.	83126	Strand	+
Start	6923	End	7260
Name	OJ000229_22.0323.C29.o2.gs	Method	GENSCAN
Start	6923	End	7260
GI	none	Score	.68
Exons	6923..6998, 7148..7260		

Seq. No.	40190	Seq. ID	OJ000229_22.0323.C29
Gene No.	83127	Strand	-
Start	222	End	5904
Name	OJ000229_22.0323.C29.o1.gs	Method	GENSCAN
Start	222	End	5904
GI	none	Score	.88
Exons	222..378, 1030..1053, 2527..2593, 2689..4154, 4244..5288, 5479..5633, 5747..5904		

Seq. No.	40190	Seq. ID	OJ000229_22.0323.C29
Gene No.	83127	Strand	-
Start	222	End	5904
Name	OJ000229_22.0323.C29.o1.np	Method	AAT/NAP
Start	2702	End	5181
GI	4063770	Score	1355
Exons	2702..4154, 4244..5181		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	40190	Seq. ID	OJ000229_22.0323.C29
Gene No.	83127	Strand	-
Start	222	End	5904
Name	OJ000229_22.0323.C29.o2.tm	Method	TBLASTX:Maize
Start	2750	End	3178
GI	none	Score	144
Exons	2750..3178, 2774..3046, 2823..3155		

Seq. No.	40190	Seq. ID	OJ000229_22.0323.C29
Gene No.	83127	Strand	-
Start	222	End	5904
Name	OJ000229_22.0323.C29.o1.tm	Method	TBLASTX:Maize
Start	3650	End	4054
GI	none	Score	113
Exons	3650..3742, 3654..3743, 3720..4043, 3746..4054, 3810..4043		

Seq. No.	40190	Seq. ID	OJ000229_22.0323.C29
Gene No.	83127	Strand	-
Start	222	End	5904
Name	OJ000229_22.0323.C29.o3.tm	Method	TBLASTX:Maize
Start	4483	End	4953
GI	none	Score	48
Exons	4483..4545, 4543..4782, 4633..4782, 4796..4891, 4801..4893, 4912..4953, 4916..4951		

Seq. No.	40191	Seq. ID	OJ000229_22.0323.C30
Gene No.	83128	Strand	+
Start	1	End	996
Name	OJ000229_22.0323.C30.o1.np	Method	AAT/NAP
Start	1	End	996
GI	6006359	Score	68
Exons	1..69, 278..400, 970..996		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83129	Strand	+
Start	1	End	3022
Name	OJ000209_18.0313.C2.o1.np	Method	AAT/NAP

Start	1	End	2736
GI	6692675	Score	816
Exons	1..127, 775..872, 965..1002, 1111..1290, 1338..1566, 1680..1847, 2140..2222, 2355..2736		
GI Descrip.	(AC007592) F12K11.2 [Arabidopsis thaliana]		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83129	Strand	+
Start	1	End	3022
Name	OJ000209_18.0313.C2.o1.gp	Method	AAT/GAP
Start	438	End	838
GI	none	Score	745
Exons	438..838		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83129	Strand	+
Start	1	End	3022
Name	OJ000209_18.0313.C2.o1.gs	Method	GENSCAN
Start	778	End	2739
GI	none	Score	.9
Exons	778..869, 965..1002, 1111..1272, 1657..1847, 2140..2222, 2355..2417, 2557..2739		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83129	Strand	+
Start	1	End	3022
Name	OJ000209_18.0313.C2.o2.gp	Method	AAT/GAP
Start	1122	End	3022
GI	4444_1.R1084	Score	1889
Exons	1122..1272, 1362..1384, 1495..1566, 1680..1847, 2140..2222, 2355..2417, 2557..3022		
GI Descrip.	'1001355/dbj|BAA10842| 2.0e-49 (D64006) auxin-induced protein [Synechocystis sp.]'		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83130	Strand	+
Start	2953	End	7369
Name	OJ000209_18.0313.C2.o3.np	Method	AAT/NAP
Start	2953	End	7123
GI	6692675	Score	1151
Exons	2953..3012, 3777..3959, 4964..5058, 5149..5186, 5270..5434, 5478..5593, 5815..5919, 6025..6192, 6403..6485, 6597..6790, 6905..7123		
GI Descrip.	(AC007592) F12K11.2 [Arabidopsis thaliana]		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83130	Strand	+
Start	2953	End	7369
Name	OJ000209_18.0313.C2.o2.gs	Method	GENSCAN
Start	3716	End	7126
GI	none	Score	.76
Exons	3716..3959, 4964..5055, 5808..5883, 6025..6192, 6403..6659, 6941..7126		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83130	Strand	+
Start	2953	End	7369

Name	OJ000209_18.0313.C2.o3.gp	Method	AAT/GAP
Start	3834	End	7369
GI	10707_1.R1084	Score	2232
Exons	3834..3959, 4964..5055, 5149..5186, 5270..5431, 5517..5539, 5848..5919, 6025..6192, 6403..6485, 6597..6659, 6941..7369		
GI Descrip.	'1001355/dbj|BAA10842| 5.0e-53 (D64006) auxin-induced protein [Synechocystis sp.]'		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o1.tm	Method	TBLASTX:Maize
Start	804	End	6106
GI	none	Score	86
Exons	804..872, 806..871, 970..999, 971..1006, 1099..1272, 1100..1273, 1112..1273, 1363..1380, 1497..1565, 1679..1759, 1699..1761, 4987..5058, 4989..5057, 5149..5190, 5151..5243, 5267..5431, 5268..5432, 5307..5432, 5515..5535, 5518..5535, 5850..5918, 6021..6104, 6056..6106		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o2.ts	Method	TBLASTX:Soybean
Start	1118	End	5547
GI	none	Score	186
Exons	1118..1273, 1130..1279, 1144..1311, 1362..1385, 1363..1386, 5277..5432, 5300..5431, 5518..5547		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o1.ts	Method	TBLASTX:Soybean
Start	1515	End	7126
GI	none	Score	70
Exons	1515..1565, 1679..1849, 1701..1874, 1714..1851, 2138..2224, 2139..2225, 2352..2420, 2554..2715, 2556..2708, 5868..5918, 6021..6200, 6056..6193, 6393..6518, 6401..6511, 6594..6707, 6938..7126, 6949..7122		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o2.np	Method	AAT/NAP
Start	1664	End	4473
GI	7340860	Score	63
Exons	1664..1819, 3213..3330, 4416..4473		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o2.tm	Method	TBLASTX:Maize
Start	2136	End	6662
GI	none	Score	126
Exons	2136..2234, 2138..2224, 2351..2422, 2352..2423, 2353..2424,		

6399..6512, 6401..6487, 6585..6662, 6585..6662

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o1.tc	Method	TBLASTX:Cress
Start	2589	End	7140
GI	none	Score	151
Exons	2589..2705, 2596..2715, 6973..7140, 6980..7132		

Seq. No.	40192	Seq. ID	OJ000209_18.0313.C2
Gene No.	83131	Strand	-
Start	1664	End	7140
Name	OJ000209_18.0313.C2.o3.tm	Method	TBLASTX:Maize
Start	3716	End	3979
GI	none	Score	52
Exons	3716..3766, 3726..3767, 3848..3979, 3892..3978		

Seq. No.	40193	Seq. ID	OJ000209_18.0313.C3
Gene No.	83132	Strand	+
Start	1823	End	2298
Name	OJ000209_18.0313.C3.o1.gs	Method	GENSCAN
Start	1823	End	2298
GI	none	Score	.54
Exons	1823..2053, 2130..2298		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83133	Strand	+
Start	1	End	8368
Name	OJ000209_18.0313.C4.o1.np	Method	AAT/NAP
Start	1	End	8368
GI	7529749	Score	157
Exons	1..275, 348..419, 522..587, 708..773, 939..1091, 8110..8368		
GI Descrip.	(AL163527) putative protein [Arabidopsis thaliana]		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83133	Strand	+
Start	1	End	8368
Name	OJ000209_18.0313.C4.o1.gs	Method	GENSCAN
Start	74	End	1371
GI	none	Score	.68
Exons	74..419, 522..587, 882..1181, 1264..1371		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83133	Strand	+
Start	1	End	8368
Name	OJ000209_18.0313.C4.o2.gs	Method	GENSCAN
Start	4666	End	7827
GI	none	Score	.56
Exons	4666..4895, 5022..5232, 5371..5501, 6998..7057, 7095..7177, 7748..7827		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83134	Strand	-
Start	9981	End	10067
Name	OJ000209_18.0313.C4.o1.gp	Method	AAT/GAP
Start	9981	End	10067

GI	LIB3477-003-P1-K1-E9	Score	104
Exons	9981..10067		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83135	Strand	-
Start	10982	End	11505
Name	OJ000209_18.0313.C4.o1.tc	Method	TBLASTX:Cress
Start	377	End	764
GI	none	Score	36
Exons	377..418, 381..425, 396..425, 514..588, 516..587, 519..596, 681..764, 707..760		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83135	Strand	-
Start	10982	End	11505
Name	OJ000209_18.0313.C4.o1.ts	Method	TBLASTX:Soybean
Start	396	End	1076
GI	none	Score	43
Exons	396..425, 519..587, 531..587, 687..776, 710..769, 864..962, 873..956, 875..958, 1044..1076		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83135	Strand	-
Start	10982	End	11505
Name	OJ000209_18.0313.C4.o1.tm	Method	TBLASTX:Maize
Start	567	End	1082
GI	none	Score	42
Exons	567..587, 702..776, 705..803, 864..989, 875..985, 1026..1082, 1026..1082		

Seq. No.	40194	Seq. ID	OJ000209_18.0313.C4
Gene No.	83135	Strand	-
Start	10982	End	11505
Name	OJ000209_18.0313.C4.o4.gs	Method	GENSCAN
Start	10982	End	11505
GI	none	Score	.98
Exons	10982..11135, 11366..11505		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83136	Strand	-
Start	1213	End	1822
Name	OJ000209_18.0313.C5.o1.gs	Method	GENSCAN
Start	1213	End	1781
GI	none	Score	.61
Exons	1213..1333, 1711..1781		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83136	Strand	-
Start	1213	End	1822
Name	OJ000209_18.0313.C5.o1.gp	Method	AAT/GAP
Start	1321	End	1822
GI	none	Score	346
Exons	1321..1419, 1711..1822		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o1.np	Method	AAT/NAP
Start	3127	End	4557
GI	1168863	Score	334
Exons	3127..3393, 4308..4557		
GI Descrip.	CADMIUM INDUCED PROTEIN AS8 gi|629507|pir||S47247 cadmium-induced protein F13C5.230 - Arabidopsis thaliana gi|534902|emb|CAA85363.1| (Z36896) cadmium induced protein [Arabidopsis thaliana] gi|2832634|emb|CAA16763.1| (AL021711) cadmium-induced protein [Arabidopsis thaliana] gi|7268702|emb|CAB78909.1| (AL161550) cadmium-induced protein [Arabidopsis thaliana]		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o2.tm	Method	TBLASTX:Maize
Start	3319	End	4560
GI	none	Score	69
Exons	3319..3402, 3321..3404, 3324..3404, 3325..3405, 4303..4422, 4304..4369, 4439..4522, 4491..4523, 4492..4551, 4492..4560		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o2.gs	Method	GENSCAN
Start	4268	End	7093
GI	none	Score	.78
Exons	4268..4636, 4685..4836, 4913..5042, 5853..6049, 6129..6318, 6419..6580, 6695..6919, 6995..7093		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o1.tm	Method	TBLASTX:Maize
Start	5884	End	7094
GI	none	Score	181
Exons	5884..5937, 6050..6127, 6407..6580, 6417..6581, 6684..6920, 6692..6928, 6963..7094, 6995..7093		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o2.np	Method	AAT/NAP
Start	5923	End	7093
GI	3775995	Score	611
Exons	5923..6318, 6419..6580, 6695..6919, 6995..7093		
GI Descrip.	(AJ010461) RNA helicase [Arabidopsis thaliana]		

Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o1.tc	Method	TBLASTX:Cress
Start	6407	End	7094
GI	none	Score	140

Exons	6407..6580, 6417..6581, 6690..6920, 6692..6943, 6963..7094, 6995..7093		
Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o1.ts	Method	TBLASTX:Soybean
Start	6407	End	7094
GI	none	Score	55
Exons	6407..6577, 6407..6580, 6417..6581, 6690..6920, 6691..6921, 6692..6928, 6692..6940, 6963..7094, 6998..7093		
Seq. No.	40195	Seq. ID	OJ000209_18.0313.C5
Gene No.	83137	Strand	-
Start	3127	End	7094
Name	OJ000209_18.0313.C5.o1.tw	Method	TBLASTX:Wheat
Start	6416	End	6838
GI	none	Score	64
Exons	6416..6580, 6687..6815, 6692..6838		
Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83138	Strand	+
Start	2835	End	3278
Name	OJ000209_18.0313.C6.o1.gs	Method	GENSCAN
Start	2835	End	3278
GI	none	Score	.99
Exons	2835..3278		
Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83139	Strand	+
Start	5982	End	9158
Name	OJ000209_18.0313.C6.o2.np	Method	AAT/NAP
Start	5982	End	9158
GI	7486309	Score	230
Exons	5982..6025, 8782..9158		
GI Descrip.	hypothetical protein F28M11.120 - Arabidopsis thaliana gi|4538984|emb|CAB39772.1| (AL049487) putative protein [Arabidopsis thaliana] gi|7267716|emb|CAB78143.1| (AL161516) putative protein [Arabidopsis thaliana]		
Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83140	Strand	+
Start	9145	End	10623
Name	OJ000209_18.0313.C6.o3.np	Method	AAT/NAP
Start	9145	End	10623
GI	7340909	Score	142
Exons	9145..9224, 10440..10623		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83140	Strand	+
Start	9145	End	10623
Name	OJ000209_18.0313.C6.o3.gs	Method	GENSCAN
Start	9530	End	9966
GI	none	Score	.77
Exons	9530..9707, 9899..9966		

Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83141	Strand	-
Start	1	End	3058
Name	OJ000209_18.0313.C6.o1.np	Method	AAT/NAP
Start	1	End	3058
GI	7488180	Score	288
Exons	1..193, 267..398, 2955..3058		
GI Descrip.	probable RNA helicase F21E10.1 - Arabidopsis thaliana (fragment) gi|3047077|gb|AAC13590.1| (AF058914) contains similarity to the conserved C-terminal domain of helicases (Pfam: helicase_C.hmm, score: 90.11), similar to DEAD-box helicases [Arabidopsis thaliana]		

Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83142	Strand	-
Start	4400	End	8214
Name	OJ000209_18.0313.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	3038
GI	none	Score	71
Exons	2..91, 3..80, 92..181, 93..176, 294..401, 304..399, 2934..3038		

Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83142	Strand	-
Start	4400	End	8214
Name	OJ000209_18.0313.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	3044
GI	none	Score	163
Exons	2..181, 3..185, 274..402, 275..403, 276..401, 278..409, 2932..3018, 2943..3044		

Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83142	Strand	-
Start	4400	End	8214
Name	OJ000209_18.0313.C6.o1.ts	Method	TBLASTX:Soybean
Start	92	End	3047
GI	none	Score	90
Exons	92..181, 93..176, 273..401, 307..399, 2934..3047		

Seq. No.	40196	Seq. ID	OJ000209_18.0313.C6
Gene No.	83142	Strand	-
Start	4400	End	8214
Name	OJ000209_18.0313.C6.o2.gs	Method	GENSCAN
Start	4400	End	8214
GI	none	Score	.56
Exons	4400..4694, 5563..6227, 6765..6908, 7424..7454, 7936..8049, 8111..8214		

Seq. No.	40197	Seq. ID	OJ000209_18.0313.C7
Gene No.	83143	Strand	+
Start	4429	End	5358
Name	OJ000209_18.0313.C7.o2.gs	Method	GENSCAN
Start	4429	End	5358
GI	none	Score	.68
Exons	4429..4657, 4905..5197, 5239..5358		

Seq. No.	40197	Seq. ID	OJ000209_18.0313.C7
Gene No.	83144	Strand	-

Start	1	End	196
Name	OJ000209_18.0313.C7.o1.np	Method	AAT/NAP
Start	1	End	196
GI	6587834	Score	84
Exons	1..196		
GI Descrip.	(AC006551) Similar to LeOPT1 [Lycopersicon esculentum] [Arabidopsis thaliana]		

Seq. No.	40197	Seq. ID	OJ000209_18.0313.C7
Gene No.	83144	Strand	-
Start	1	End	196
Name	OJ000209_18.0313.C7.o1.gs	Method	GENSCAN
Start	29	End	178
GI	none	Score	.75
Exons	29..178		

Seq. No.	40197	Seq. ID	OJ000209_18.0313.C7
Gene No.	83145	Strand	-
Start	4020	End	4087
Name	OJ000209_18.0313.C7.o1.gp	Method	AAT/GAP
Start	4020	End	4087
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	4020..4087		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40197	Seq. ID	OJ000209_18.0313.C7
Gene No.	83146	Strand	-
Start	6652	End	8093
Name	OJ000209_18.0313.C7.o3.gs	Method	GENSCAN
Start	6652	End	8093
GI	none	Score	.59
Exons	6652..6670, 6710..6800, 7350..7426, 7628..7696, 7758..7792, 7857..8093		

Seq. No.	40197	Seq. ID	OJ000209_18.0313.C7
Gene No.	83147	Strand	-
Start	9887	End	10459
Name	OJ000209_18.0313.C7.o4.gs	Method	GENSCAN
Start	9887	End	10459
GI	none	Score	.92
Exons	9887..10459		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83148	Strand	+
Start	1040	End	1134
Name	OJ000209_18.0313.C8.o1.gs	Method	GENSCAN
Start	1040	End	1134
GI	none	Score	.86
Exons	1040..1134		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83149	Strand	+
Start	3443	End	5101
Name	OJ000209_18.0313.C8.o1.np	Method	AAT/NAP
Start	3443	End	5101

GI	6069646	Score	668
Exons	3443..3635, 4116..5101		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83150	Strand	+
Start	7803	End	9815
Name	OJ000209_18.0313.C8.o3.gs	Method	GENSCAN
Start	7803	End	9815
GI	none	Score	.89
Exons	7803..8309, 8323..8775, 9019..9081, 9176..9453, 9662..9815		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83150	Strand	+
Start	7803	End	9815
Name	OJ000209_18.0313.C8.o2.np	Method	AAT/NAP
Start	7830	End	9475
GI	7486343	Score	669
Exons	7830..8276, 8323..8775, 8995..9107, 9193..9475		
GI Descrip.	hypothetical protein F28P10.70 - Arabidopsis thaliana gi|4678298|emb|CAB41089.1| (AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83150	Strand	+
Start	7803	End	9815
Name	OJ000209_18.0313.C8.o1.gp	Method	AAT/GAP
Start	9340	End	9613
GI	3763253	Score	494
Exons	9340..9613		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83151	Strand	-
Start	3395	End	5902
Name	OJ000209_18.0313.C8.o2.gs	Method	GENSCAN
Start	3395	End	5902
GI	none	Score	.5
Exons	3395..3748, 3791..3935, 4044..4113, 4281..4313, 4588..4702, 5900..5902		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o1.tm	Method	TBLASTX:Maize
Start	3446	End	4069
GI	none	Score	379
Exons	3446..3871, 3550..3867, 4013..4069		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o2.tw	Method	TBLASTX:Wheat
Start	3509	End	3969

GI	none	Score	170
Exons	3509..3805, 3550..3699, 3916..3969		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o3.tm	Method	TBLASTX:Maize
Start	4513	End	15897
GI	none	Score	76
Exons	4513..4617, 4629..4754, 4630..4740, 4739..4870, 4745..4843, 4906..4974, 4933..4998, 15549..15602, 15632..15703, 15781..15897		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o1.ts	Method	TBLASTX:Soybean
Start	8344	End	8708
GI	none	Score	210
Exons	8344..8505, 8344..8394, 8412..8504, 8494..8700, 8520..8708		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o1.tc	Method	TBLASTX:Cress
Start	8454	End	8724
GI	none	Score	204
Exons	8454..8693, 8455..8724		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o4.gs	Method	GENSCAN
Start	10027	End	23561
GI	none	Score	.47
Exons	10027..10282, 10793..12105, 12301..12375, 12804..12904, 16853..16894, 17035..17208, 17840..18120, 19406..19511, 19959..20132, 20196..20372, 20438..20759, 20913..20992, 21124..21278, 21354..21427, 21725..21753, 21974..23561		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o5.np	Method	AAT/NAP
Start	20805	End	23672
GI	7228442	Score	1909
Exons	20805..20862, 21986..23672		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o3.tw	Method	TBLASTX:Wheat
Start	21005	End	21187
GI	none	Score	100
Exons	21005..21124, 21006..21125, 21123..21173, 21134..21187		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o1.tw	Method	TBLASTX:Wheat
Start	22929	End	23304
GI	none	Score	62
Exons	22929..23093, 22940..23080, 23035..23094, 23127..23303, 23152..23304		

Seq. No.	40198	Seq. ID	OJ000209_18.0313.C8
Gene No.	83152	Strand	-
Start	10027	End	23672
Name	OJ000209_18.0313.C8.o2.tm	Method	TBLASTX:Maize
Start	23122	End	23600
GI	none	Score	215
Exons	23122..23595, 23133..23600		

Seq. No.	40199	Seq. ID	OJ000209_18.0313.C9
Gene No.	83153	Strand	+
Start	1609	End	2479
Name	OJ000209_18.0313.C9.o2.gs	Method	GENSCAN
Start	1609	End	2479
GI	none	Score	.85
Exons	1609..1737, 1772..1881, 1886..1907, 2399..2479		

Seq. No.	40199	Seq. ID	OJ000209_18.0313.C9
Gene No.	83154	Strand	+
Start	6113	End	7158
Name	OJ000209_18.0313.C9.o3.gs	Method	GENSCAN
Start	6113	End	7158
GI	none	Score	.49
Exons	6113..6156, 6394..6653, 6992..7158		

Seq. No.	40199	Seq. ID	OJ000209_18.0313.C9
Gene No.	83155	Strand	-
Start	1	End	836
Name	OJ000209_18.0313.C9.o1.np	Method	AAT/NAP
Start	1	End	836
GI	7228442	Score	742
Exons	1..836		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40199	Seq. ID	OJ000209_18.0313.C9
Gene No.	83155	Strand	-
Start	1	End	836
Name	OJ000209_18.0313.C9.o1.gs	Method	GENSCAN
Start	49	End	836
GI	none	Score	.69
Exons	49..836		

Seq. No.	40199	Seq. ID	OJ000209_18.0313.C9
Gene No.	83156	Strand	-
Start	7212	End	10546
Name	OJ000209_18.0313.C9.o2.np	Method	AAT/NAP

Start	7212	End	8367
GI	7523486	Score	367
Exons	7212..7325, 8057..8222, 8269..8367		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40199	Seq. ID	OJ000209_18.0313.C9
Gene No.	83156	Strand	-
Start	7212	End	10546
Name	OJ000209_18.0313.C9.o4.gs	Method	GENSCAN
Start	8230	End	10546
GI	none	Score	.7
Exons	8230..8348, 8617..8708, 9898..9998, 10462..10546		

Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83157	Strand	+
Start	508	End	931
Name	OJ000209_18.0313.C10.o1.gs	Method	GENSCAN
Start	508	End	931
GI	none	Score	.92
Exons	508..649, 909..931		

Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83158	Strand	+
Start	2301	End	2819
Name	OJ000209_18.0313.C10.o3.gs	Method	GENSCAN
Start	2301	End	2819
GI	none	Score	.99
Exons	2301..2819		

Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83158	Strand	+
Start	2301	End	2819
Name	OJ000209_18.0313.C10.o2.np	Method	AAT/NAP
Start	2334	End	2813
GI	1432083	Score	442
Exons	2334..2813		
GI Descrip.	(U60981) homolog to Skp1p, an evolutionarily conserved kinetochore protein in budding yeast [Arabidopsis thaliana] gi|3068807|gb|AAC14444.1| (AF059294) Skp1 homolog [Arabidopsis thaliana] gi|3719209|gb|AAC63109.1| (U97020) UIP1 [Arabidopsis thaliana] gi|6721107|gb|AAF26761.1|AC007396_10 (AC007396) T4O12.15 [Arabidopsis thaliana]		

Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83159	Strand	+
Start	4257	End	5047
Name	OJ000209_18.0313.C10.o4.gs	Method	GENSCAN
Start	4257	End	5047
GI	none	Score	.94
Exons	4257..4472, 4580..5047		

Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83160	Strand	+
Start	6431	End	7115
Name	OJ000209_18.0313.C10.o6.gs	Method	GENSCAN
Start	6431	End	7115
GI	none	Score	.65

Exons	6431..6555, 7022..7115		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83161	Strand	-
Start	1287	End	1760
Name	OJ000209_18.0313.C10.o2.gs	Method	GENSCAN
Start	1287	End	1760
GI	none	Score	1
Exons	1287..1760		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83161	Strand	-
Start	1287	End	1760
Name	OJ000209_18.0313.C10.o1.np	Method	AAT/NAP
Start	1290	End	1736
GI	4959710	Score	424
Exons	1290..1736		
GI Descrip.	(AF135596) Skp1 [Medicago sativa]		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83162	Strand	-
Start	5207	End	5626
Name	OJ000209_18.0313.C10.o5.gs	Method	GENSCAN
Start	5207	End	5626
GI	none	Score	.57
Exons	5207..5283, 5428..5626		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83163	Strand	-
Start	6090	End	6558
Name	OJ000209_18.0313.C10.o1.tc	Method	TBLASTX:Cress
Start	1281	End	2916
GI	none	Score	47
Exons	1281..1331, 1291..1332, 1320..1490, 1321..1461, 1554..1724, 1555..1725, 2343..2576, 2348..2545, 2610..2813, 2633..2812, 2848..2916		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83163	Strand	-
Start	6090	End	6558
Name	OJ000209_18.0313.C10.o1.ts	Method	TBLASTX:Soybean
Start	1284	End	2813
GI	none	Score	47
Exons	1284..1331, 1291..1332, 1320..1496, 1321..1491, 1554..1679, 1555..1680, 2343..2402, 2348..2401, 2381..2539, 2382..2519, 2610..2813, 2624..2812		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10
Gene No.	83163	Strand	-
Start	6090	End	6558
Name	OJ000209_18.0313.C10.o1.tm	Method	TBLASTX:Maize
Start	1287	End	2813
GI	none	Score	52
Exons	1287..1331, 1291..1332, 1320..1496, 1321..1491, 1515..1724, 1555..1728, 2331..2570, 2345..2557, 2610..2813, 2612..2812		
Seq. No.	40200	Seq. ID	OJ000209_18.0313.C10

Gene No.	83163	Strand	-
Start	6090	End	6558
Name	OJ000209_18.0313.C10.o3.np	Method	AAT/NAP
Start	6090	End	6558
GI	7340884	Score	98
Exons	6090..6155, 6405..6558		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	40201	Seq. ID	OJ000209_18.0313.C11
Gene No.	83164	Strand	+
Start	57	End	840
Name	OJ000209_18.0313.C11.o1.gs	Method	GENSCAN
Start	57	End	840
GI	none	Score	.88
Exons	57..117, 253..529, 557..630, 713..840		

Seq. No.	40201	Seq. ID	OJ000209_18.0313.C11
Gene No.	83165	Strand	-
Start	4249	End	4732
Name	OJ000209_18.0313.C11.o1.tm	Method	TBLASTX:Maize
Start	3071	End	3501
GI	none	Score	294
Exons	3071..3412, 3086..3412, 3258..3422, 3412..3501, 3416..3496		

Seq. No.	40201	Seq. ID	OJ000209_18.0313.C11
Gene No.	83165	Strand	-
Start	4249	End	4732
Name	OJ000209_18.0313.C11.o1.tw	Method	TBLASTX:Wheat
Start	3122	End	3397
GI	none	Score	227
Exons	3122..3397, 3150..3278, 3151..3297, 3161..3352		

Seq. No.	40201	Seq. ID	OJ000209_18.0313.C11
Gene No.	83165	Strand	-
Start	4249	End	4732
Name	OJ000209_18.0313.C11.o2.gs	Method	GENSCAN
Start	4249	End	4732
GI	none	Score	.62
Exons	4249..4305, 4621..4732		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83166	Strand	+
Start	1	End	9925
Name	OJ000209_18.0313.C12.o1.np	Method	AAT/NAP
Start	1	End	9925
GI	7267526	Score	186
Exons	1..430, 494..577, 9891..9925		
GI Descrip.	(AL161513) putative protein [Arabidopsis thaliana] gi|7321072|emb|CAB82119.1| (AL161813) putative protein [Arabidopsis thaliana]		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83167	Strand	-
Start	4162	End	9854
Name	OJ000209_18.0313.C12.o2.tm	Method	TBLASTX:Maize
Start	2	End	9776

GI	none	Score	39
Exons	2..46, 67..243, 9526..9612, 9535..9600, 9612..9776, 9679..9759		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83167	Strand	-
Start	4162	End	9854
Name	OJ000209_18.0313.C12.o1.ts	Method	TBLASTX:Soybean
Start	7	End	9854
GI	none	Score	126
Exons	7..87, 63..191, 67..219, 223..393, 288..380, 9340..9489, 9541..9615, 9609..9740, 9810..9854		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83167	Strand	-
Start	4162	End	9854
Name	OJ000209_18.0313.C12.o2.tw	Method	TBLASTX:Wheat
Start	70	End	9716
GI	none	Score	204
Exons	70..378, 261..371, 469..567, 9166..9264, 9310..9348, 9355..9501, 9413..9502, 9612..9716		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83167	Strand	-
Start	4162	End	9854
Name	OJ000209_18.0313.C12.o1.tm	Method	TBLASTX:Maize
Start	465	End	9268
GI	none	Score	190
Exons	465..653, 466..726, 845..940, 8796..8882, 8796..8882, 8797..8886, 8895..8957, 8895..9026, 9034..9267, 9080..9268		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83167	Strand	-
Start	4162	End	9854
Name	OJ000209_18.0313.C12.o1.tw	Method	TBLASTX:Wheat
Start	826	End	9035
GI	none	Score	129
Exons	826..957, 866..970, 8703..9035, 8709..8861		

Seq. No.	40202	Seq. ID	OJ000209_18.0313.C12
Gene No.	83167	Strand	-
Start	4162	End	9854
Name	OJ000209_18.0313.C12.o2.np	Method	AAT/NAP
Start	4162	End	6235
GI	5042463	Score	192
Exons	4162..4252, 4305..4475, 5140..5323, 5416..5527, 6115..6235		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83168	Strand	+
Start	588	End	1082
Name	OJ000209_18.0313.C13.o1.gs	Method	GENSCAN
Start	588	End	1082
GI	none	Score	.67
Exons	588..1082		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-

Start	1	End	4908
Name	OJ000209_18.0313.C13.o1.np	Method	AAT/NAP
Start	1	End	4908
GI	7486968	Score	1262
Exons	1..77, 3109..3485, 3817..4908		
GI Descrip.	hypothetical protein T13K14.100 - Arabidopsis thaliana gi|5262784|emb|CAB45889.1| (AL080282) putative protein [Arabidopsis thaliana] gi|7268891|emb|CAB79094.1| (AL161554) putative protein [Arabidopsis thaliana]		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o2.tm	Method	TBLASTX:Maize
Start	641	End	1082
GI	none	Score	191
Exons	641..814, 645..824, 840..1082, 867..980, 875..1081		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o1.tc	Method	TBLASTX:Cress
Start	644	End	1084
GI	none	Score	207
Exons	644..814, 645..839, 822..1082, 866..1084		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o2.ts	Method	TBLASTX:Soybean
Start	689	End	1088
GI	none	Score	142
Exons	689..814, 690..824, 837..1088, 875..1081		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o1.tw	Method	TBLASTX:Wheat
Start	693	End	1031
GI	none	Score	63
Exons	693..815, 837..1031, 867..968		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o2.gs	Method	GENSCAN
Start	1716	End	4617
GI	none	Score	.5
Exons	1716..1972, 2601..2729, 3162..3581, 3733..4617		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o3.tm	Method	TBLASTX:Maize
Start	2817	End	3263
GI	none	Score	53
Exons	2817..2888, 2856..2924, 2872..2925, 2995..3099, 2996..3103,		

2996..3115, 3013..3129, 3112..3195, 3113..3196, 3116..3196, 3216..3263, 3232..3261

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o3.ts	Method	TBLASTX:Soybean
Start	3002	End	3292
GI	none	Score	230
Exons	3002..3292, 3013..3285		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o1.tm	Method	TBLASTX:Maize
Start	3382	End	4245
GI	none	Score	255
Exons	3382..3582, 3386..3583, 3732..4166, 3734..4189, 3735..4178, 4166..4243, 4167..4244, 4183..4245		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13:o2.tc	Method	TBLASTX:Cress
Start	3439	End	4060
GI	none	Score	92
Exons	3439..3555, 3734..3790, 3779..4060, 3861..4055		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o1.gp	Method	AAT/GAP
Start	3446	End	4026
GI	LIB3433-018-Q6-K6-C3	Score	802
Exons	3446..3581, 3733..4026		
GI Descrip.	'4996642/dbj|BAA78573.1| 1.0e-108 (AB028130) Dof zinc finger protein [Oryza sativa]'		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o1.ts	Method	TBLASTX:Soybean
Start	3767	End	4166
GI	none	Score	261
Exons	3767..3994, 3768..3995, 3829..4002, 3893..4000, 3977..4156, 3992..4165, 3993..4166		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-
Start	1	End	4908
Name	OJ000209_18.0313.C13.o4.ts	Method	TBLASTX:Soybean
Start	4175	End	4681
GI	none	Score	59
Exons	4175..4369, 4182..4262, 4454..4669, 4502..4681, 4503..4679		

Seq. No.	40203	Seq. ID	OJ000209_18.0313.C13
Gene No.	83169	Strand	-

Start	1	End	4908
Name	OJ000209_18.0313.C13.o4.tm	Method	TBLASTX:Maize
Start	4415	End	4612
GI	none	Score	61
Exons	4415..4474, 4446..4475, 4475..4612, 4476..4550, 4502..4612		

Seq. No.	40204	Seq. ID	OJ000209_14.0316.C2
Gene No.	83170	Strand	+
Start	1	End	780
Name	OJ000209_14.0316.C2.o1.np	Method	AAT/NAP
Start	1	End	780
GI	7487567	Score	63
Exons	1..83, 398..548, 718..780		
GI Descrip.	hypothetical protein T30B22.21 - Arabidopsis thaliana gi|2529678|gb|AAC62861.1| (AC002535) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	40204	Seq. ID	OJ000209_14.0316.C2
Gene No.	83170	Strand	+
Start	1	End	780
Name	OJ000209_14.0316.C2.o1.gs	Method	GENSCAN
Start	408	End	520
GI	none	Score	.64
Exons	408..520		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83171	Strand	+
Start	1	End	2022
Name	OJ000209_14.0316.C3.o1.np	Method	AAT/NAP
Start	1	End	2022
GI	7487567	Score	411
Exons	1..65, 799..919, 1026..1125, 1216..1299, 1787..2022		
GI Descrip.	hypothetical protein T30B22.21 - Arabidopsis thaliana gi|2529678|gb|AAC62861.1| (AC002535) putative mitochondrial carrier protein [Arabidopsis thaliana]		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83171	Strand	+
Start	1	End	2022
Name	OJ000209_14.0316.C3.o1.gs	Method	GENSCAN
Start	834	End	2008
GI	none	Score	.82
Exons	834..900, 1046..1114, 1761..2008		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83172	Strand	-
Start	1908	End	2346
Name	OJ000209_14.0316.C3.o2.ts	Method	TBLASTX:Soybean
Start	791	End	1232
GI	5677649	Score	112
Exons	791..919, 819..926, 825..917, 1023..1088, 1024..1113, 1203..1232, 1204..1230		
GI Descrip.	2529678 4.0e-42 (AC002535) unknown protein [Arabidopsis thaliana]		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83172	Strand	-

Start	1908	End	2346
Name	OJ000209_14.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	825	End	2002
GI	none	Score	108
Exons	825..917, 830..919, 1017..1106, 1024..1113, 1203..1310, 1204..1302, 1807..1974, 1829..1987, 1834..1974, 1841..2002, 1841..1978		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83172	Strand	-
Start	1908	End	2346
Name	OJ000209_14.0316.C3.o1.tc	Method	TBLASTX:Cress
Start	1069	End	2002
GI	none	Score	63
Exons	1069..1125, 1213..1302, 1784..1816, 1811..2002, 1846..1980		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83172	Strand	-
Start	1908	End	2346
Name	OJ000209_14.0316.C3.o1.ts	Method	TBLASTX:Soybean
Start	1246	End	2002
GI	none	Score	64
Exons	1246..1302, 1780..1815, 1784..1816, 1784..1816, 1786..1815, 1811..2002, 1811..1882, 1841..1984, 1846..1872, 1846..2001, 1880..2002, 1885..2001		

Seq. No.	40205	Seq. ID	OJ000209_14.0316.C3
Gene No.	83172	Strand	-
Start	1908	End	2346
Name	OJ000209_14.0316.C3.o1.gp	Method	AAT/GAP
Start	1908	End	2346
GI	none	Score	865
Exons	1908..2346		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83173	Strand	+
Start	39	End	1088
Name	OJ000209_14.0316.C4.o1.gs	Method	GENSCAN
Start	39	End	1088
GI	none	Score	.94
Exons	39..87, 503..582, 879..1088		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o1.np	Method	AAT/NAP
Start	1503	End	1622
GI	5852084	Score	85
Exons	1503..1622		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o2.gs	Method	GENSCAN
Start	2262	End	6223
GI	none	Score	.88

Exons	2262..2639, 3063..3183, 3325..3478, 4284..4347, 4531..4656, 4799..5031, 6208..6223		
Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o2.np	Method	AAT/NAP
Start	2304	End	5035
GI	6714350	Score	1058
Exons	2304..2397, 2479..2609, 3063..3234, 3325..3478, 4025..4088, 4240..4347, 4531..4656, 4799..5035		
GI Descrip.	(AC015986) putative protein phosphatase [Arabidopsis thaliana]		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	2355	End	4302
GI	none	Score	52
Exons	2355..2402, 2490..2570, 3048..3227, 3063..3236, 3065..3241, 3323..3430, 3324..3479, 3333..3494, 3990..4094, 4026..4091, 4237..4302, 4239..4301		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	3081	End	5034
GI	none	Score	189
Exons	3081..3236, 3089..3241, 3323..3430, 3324..3479, 3348..3491, 3397..3480, 4014..4091, 4237..4317, 4242..4316, 4245..4346, 4475..4501, 4527..4655, 4531..4656, 4787..4915, 4790..4918, 4886..4993, 4973..5032, 4981..5034		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o1.tw	Method	TBLASTX:Wheat
Start	4242	End	4915
GI	none	Score	136
Exons	4242..4310, 4243..4317, 4249..4347, 4254..4346, 4524..4619, 4527..4655, 4531..4656, 4766..4915, 4790..4915		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o1.gp	Method	AAT/GAP
Start	4286	End	4962
GI	LIB3434-027-P1-K1-G1	Score	609
Exons	4286..4347, 4531..4656, 4799..4962		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o3.ts	Method	TBLASTX:Soybean

Start	4524	End	4658
GI	none	Score	78
Exons	4524..4613, 4527..4658, 4531..4656		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o1.tc	Method	TBLASTX:Cress
Start	4527	End	5049
GI	none	Score	161
Exons	4527..4658, 4531..4656, 4787..5032, 4790..4885, 4798..5049		

Seq. No.	40206	Seq. ID	OJ000209_14.0316.C4
Gene No.	83174	Strand	+
Start	2262	End	6223
Name	OJ000209_14.0316.C4.o2.ts	Method	TBLASTX:Soybean
Start	4798	End	5046
GI	none	Score	239
Exons	4798..5046, 4799..5032		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.np	Method	AAT/NAP
Start	1	End	5616
GI	2811226	Score	1617
Exons	1..128, 449..545, 782..939, 1339..1538, 1626..1781, 2810..3024, 3469..3585, 3681..3749, 3844..3882, 4621..4792, 4904..5105, 5145..5311, 5474..5616		
GI Descrip.	(AF042669) fimbrin 2 [Arabidopsis thaliana] gi|2811232|gb|AAB97847.1| (AF042671) fimbrin 2 [Arabidopsis thaliana]		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o3.tm	Method	TBLASTX:Maize
Start	81	End	937
GI	none	Score	81
Exons	81..125, 83..130, 83..130, 448..546, 449..547, 450..560, 450..548, 451..561, 803..937, 804..923		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.tc	Method	TBLASTX:Cress
Start	82	End	5598
GI	none	Score	93
Exons	82..132, 454..567, 456..548, 780..941, 782..940, 1337..1561, 1340..1543, 1340..1543, 1341..1559, 1609..1788, 1623..1697, 1625..1783, 1625..1792, 1755..1784, 2803..2952, 2807..2968, 2809..2967, 2975..3025, 2980..3030, 3469..3588, 3476..3586, 3669..3752, 3712..3750, 3841..3879, 4621..4791, 4622..4792, 4906..5079, 4913..5056, 5533..5598		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-

Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.gs	Method	GENSCAN
Start	449	End	9597
GI	none	Score	.83
Exons	449..545, 782..939, 1339..1538, 1626..1781, 2810..3024, 3469..3585, 3681..3749, 4621..4792, 4904..5415, 5530..5677, 5874..5937, 7409..7444, 9396..9597		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	757	End	1670
GI	none	Score	91
Exons	757..936, 769..936, 780..947, 782..940, 1340..1537, 1341..1538, 1342..1539, 1346..1543, 1617..1670, 1625..1669		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.gp	Method	AAT/GAP
Start	777	End	3589
GI	23858_1.R1084	Score	1561
Exons	777..939, 1339..1538, 1626..1781, 2810..3024, 3469..3589		
GI Descrip.	'2811226 1.0e-118 (AF042669) fimbrin 2 [Arabidopsis thaliana] >gi_2811232 (AF042671) fimbrin 2 [Arabidopsis thaliana]'		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.tm	Method	TBLASTX:Maize
Start	1370	End	4695
GI	none	Score	254
Exons	1370..1537, 1371..1538, 1377..1538, 1620..1784, 1625..1792, 1628..1780, 2798..3022, 2807..3031, 2809..3030, 3467..3580, 3468..3578, 3469..3591, 3657..3752, 3680..3754, 3681..3752, 3841..3885, 3845..3898, 4558..4695, 4609..4692, 4622..4693		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o2.ts	Method	TBLASTX:Soybean
Start	1670	End	4810
GI	none	Score	103
Exons	1670..1792, 2809..2931, 2809..2967, 2828..2971, 2980..3030, 3469..3588, 3476..3586, 3669..3752, 3669..3752, 3841..3885, 4570..4791, 4622..4810		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o2.tm	Method	TBLASTX:Maize
Start	4697	End	5277
GI	none	Score	72
Exons	4697..4792, 4699..4791, 4904..5047, 4904..4984, 4906..5079, 5040..5066, 5156..5275, 5158..5277		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o1.tw	Method	TBLASTX:Wheat
Start	5239	End	5619
GI	none	Score	103
Exons	5239..5346, 5314..5418, 5530..5616, 5530..5619		

Seq. No.	40207	Seq. ID	OJ000209_14.0316.C5
Gene No.	83175	Strand	-
Start	1	End	9597
Name	OJ000209_14.0316.C5.o4.tm	Method	TBLASTX:Maize
Start	5347	End	5619
GI	none	Score	102
Exons	5347..5418, 5530..5616, 5530..5619		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83176	Strand	+
Start	7228	End	8676
Name	OJ000209_14.0316.C6.o3.gs	Method	GENSCAN
Start	7228	End	8676
GI	none	Score	.47
Exons	7228..7349, 7717..8238, 8433..8676		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83177	Strand	+
Start	8752	End	9191
Name	OJ000209_14.0316.C6.o1.gp	Method	AAT/GAP
Start	8752	End	9191
GI	none	Score	873
Exons	8752..9191		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83178	Strand	-
Start	4464	End	8994
Name	OJ000209_14.0316.C6.o2.gs	Method	GENSCAN
Start	4464	End	5604
GI	none	Score	.8
Exons	4464..5343, 5462..5604		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83178	Strand	-
Start	4464	End	8994
Name	OJ000209_14.0316.C6.o1.np	Method	AAT/NAP
Start	4505	End	8994
GI	7485695	Score	353
Exons	4505..5235, 5493..5666, 8965..8994		
GI Descrip.	hypothetical protein F18A5.40 - Arabidopsis thaliana gi|4455294|emb|CAB36829.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268069|emb|CAB78407.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o4.tm	Method	TBLASTX:Maize
Start	4506	End	5667

GI	none	Score	81
Exons	4506..4703, 4746..4925, 4762..4920, 4767..4979, 4850..4975, 4941..5105, 4941..5177, 4944..5249, 4944..5105, 4945..5109, 4981..5196, 5572..5667		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o4.ts	Method	TBLASTX:Soybean
Start	4737	End	5039
GI	none	Score	92
Exons	4737..4919, 4747..4938, 4944..5039, 4944..5039		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o1.tc	Method	TBLASTX:Cress
Start	4741	End	5051
GI	none	Score	111
Exons	4741..4926, 4746..4925, 4938..5051, 4981..5049		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o4.gs	Method	GENSCAN
Start	9049	End	14752
GI	none	Score	.92
Exons	9049..9425, 10629..10731, 11040..11180, 11299..11404, 11502..11703, 11792..11930, 12026..12143, 12462..12685, 12767..12919, 13110..13319, 13399..13473, 13596..13724, 14008..14424, 14582..14752		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o3.tc	Method	TBLASTX:Cress
Start	9058	End	9349
GI	none	Score	74
Exons	9058..9135, 9190..9342, 9190..9348, 9200..9349		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o5.tm	Method	TBLASTX:Maize
Start	9067	End	9327
GI	none	Score	70
Exons	9067..9327, 9068..9130, 9081..9323, 9181..9327		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o2.ts	Method	TBLASTX:Soybean
Start	9185	End	10710
GI	none	Score	187
Exons	9185..9277, 9190..9438, 9197..9445, 10621..10710		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6

Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	10829	End	11142
GI	none	Score	131
Exons	10829..10963, 10831..10965, 11037..11141, 11040..11123, 11041..11142		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	10876	End	12163
GI	none	Score	120
Exons	10876..10965, 10878..10967, 11037..11180, 11038..11184, 11040..11186, 11292..11399, 11297..11413, 11297..11395, 11341..11403, 11493..11714, 11504..11704, 11781..11930, 11782..11931, 11783..11932, 12026..12163, 12027..12149		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o2.tc	Method	TBLASTX:Cress
Start	11040	End	11701
GI	none	Score	87
Exons	11040..11174, 11040..11180, 11041..11181, 11297..11404, 11344..11400, 11504..11539, 11579..11701		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o3.tm	Method	TBLASTX:Maize
Start	12527	End	12922
GI	none	Score	208
Exons	12527..12754, 12531..12692, 12762..12920, 12762..12833, 12767..12922, 12767..12919, 12886..12921		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o2.tm	Method	TBLASTX:Maize
Start	14161	End	14758
GI	none	Score	81
Exons	14161..14331, 14196..14324, 14218..14331, 14220..14339, 14364..14516, 14364..14501, 14365..14508, 14369..14518, 14559..14753, 14579..14758, 14583..14678, 14584..14730, 14585..14755		

Seq. No.	40208	Seq. ID	OJ000209_14.0316.C6
Gene No.	83179	Strand	-
Start	9049	End	14758
Name	OJ000209_14.0316.C6.o3.ts	Method	TBLASTX:Soybean
Start	14420	End	14758
GI	none	Score	105
Exons	14420..14521, 14422..14502, 14429..14509, 14573..14758, 14580..14678		

Seq. No.	40209	Seq. ID	OJ000209_14.0316.C7
Gene No.	83180	Strand	+
Start	2353	End	2628
Name	OJ000209_14.0316.C7.o1.gp	Method	AAT/GAP
Start	2353	End	2628
GI	18859_2.R1084	Score	309
Exons	2353..2397, 2491..2628		
GI Descrip.	'2344898 7.0e-52 (AC002388) 60S ribosomal protein L30 isolog [Arabidopsis thaliana]'		

Seq. No.	40209	Seq. ID	OJ000209_14.0316.C7
Gene No.	83181	Strand	+
Start	2548	End	4024
Name	OJ000209_14.0316.C7.o1.np	Method	AAT/NAP
Start	2548	End	4024
GI	7440779	Score	124
Exons	2548..2648, 3991..4024		
GI Descrip.	ribosomal protein L24 homolog T13E15.13 - Arabidopsis thaliana gi|2344898|gb|AAC31838.1| (AC002388) 60S ribosomal protein L30 [Arabidopsis thaliana]		

Seq. No.	40209	Seq. ID	OJ000209_14.0316.C7
Gene No.	83182	Strand	-
Start	999	End	1955
Name	OJ000209_14.0316.C7.o1.gs	Method	GENSCAN
Start	999	End	1955
GI	none	Score	.97
Exons	999..1157, 1730..1955		

Seq. No.	40209	Seq. ID	OJ000209_14.0316.C7
Gene No.	83182	Strand	-
Start	999	End	1955
Name	OJ000209_14.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	1005	End	1955
GI	none	Score	124
Exons	1005..1157, 1005..1157, 1007..1159, 1007..1159, 1737..1955, 1741..1950		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83183	Strand	+
Start	483	End	2240
Name	OJ000209_14.0316.C8.o1.np	Method	AAT/NAP
Start	483	End	1142
GI	7440779	Score	315
Exons	483..674, 780..926, 1008..1142		
GI Descrip.	ribosomal protein L24 homolog T13E15.13 - Arabidopsis thaliana gi|2344898|gb|AAC31838.1| (AC002388) 60S ribosomal protein L30 [Arabidopsis thaliana]		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83183	Strand	+
Start	483	End	2240
Name	OJ000209_14.0316.C8.o1.gs	Method	GENSCAN
Start	489	End	1907
GI	none	Score	.91
Exons	489..527, 561..674, 780..916, 998..1156, 1721..1907		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83183	Strand	+
Start	483	End	2240
Name	OJ000209_14.0316.C8.o1.gp	Method	AAT/GAP
Start	559	End	1053
GI	18859_2.R1084	Score	535
Exons	559..674, 780..917, 998..1053		
GI Descrip.	'2344898 7.0e-52 (AC002388) 60S ribosomal protein L30 isolog [Arabidopsis thaliana]'		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83183	Strand	+
Start	483	End	2240
Name	OJ000209_14.0316.C8.o2.np	Method	AAT/NAP
Start	1676	End	2240
GI	4680183	Score	56
Exons	1676..1938, 2177..2240		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83184	Strand	+
Start	5200	End	5571
Name	OJ000209_14.0316.C8.o3.gp	Method	AAT/GAP
Start	5200	End	5571
GI	3106549	Score	251
Exons	5200..5355, 5437..5571		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o2.tm	Method	TBLASTX:Maize
Start	558	End	1195
GI	none	Score	209
Exons	558..674, 560..676, 560..670, 777..917, 779..907, 993..1076, 994..1074, 1095..1163, 1097..1192, 1097..1195		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o1.tc	Method	TBLASTX:Cress
Start	558	End	920
GI	none	Score	199
Exons	558..674, 560..676, 560..670, 777..920, 779..919		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	558	End	920
GI	none	Score	206
Exons	558..674, 560..685, 560..670, 776..904, 777..920		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o2.gs	Method	GENSCAN
Start	2267	End	12640

GI	none	Score	.76
Exons	2267..2384, 2954..3292, 3631..3956, 4051..4935, 5051..5143, 5222..5353, 5434..5632, 6286..6410, 6489..6548, 6636..6703, 6833..6914, 7008..7121, 7223..7323, 7409..7498, 7653..7930, 8874..8991, 9010..9154, 11674..11870, 12063..12083, 12324..12467, 12595..12640		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o3.np	Method	AAT/NAP
Start	2968	End	7896
GI	6714288	Score	2492
Exons	2968..3292, 3631..3956, 4051..4937, 5044..5143, 5243..5353, 5434..5682, 6278..6410, 6636..6703, 6833..6914, 7008..7323, 7409..7498, 7653..7896		
GI Descrip.	(AC013354) F15H18.12 [Arabidopsis thaliana]		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o4.tm	Method	TBLASTX:Maize
Start	2992	End	3294
GI	none	Score	96
Exons	2992..3294, 3032..3238, 3040..3294		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o2.gp	Method	AAT/GAP
Start	3015	End	3825
GI	LIB3434-040-P1-K1-A6	Score	878
Exons	3015..3292, 3631..3825		
GI Descrip.	'4539314/emb|CAB38815.1| 1.0e-33 (AL035679) kinesin like protein [Arabidopsis thaliana]'		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o5.ts	Method	TBLASTX:Soybean
Start	3031	End	3310
GI	none	Score	78
Exons	3031..3294, 3032..3310		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o2.tc	Method	TBLASTX:Cress
Start	3155	End	3834
GI	none	Score	119
Exons	3155..3295, 3157..3294, 3645..3830, 3654..3824, 3667..3834		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	3658	End	4189

GI	none	Score	266
Exons	3658..3891, 3663..3902, 3663..3959, 3921..3959, 4045..4188, 4049..4189		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o3.ts	Method	TBLASTX:Soybean
Start	3804	End	4149
GI	none	Score	64
Exons	3804..3908, 3805..3867, 3933..3971, 4045..4149, 4049..4147		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o3.tm	Method	TBLASTX:Maize
Start	4789	End	5326
GI	none	Score	71
Exons	4789..4845, 4791..4859, 4805..4867, 4839..4931, 4840..4935, 4850..4936, 4851..4949, 5047..5145, 5051..5110, 5061..5144, 5219..5320, 5219..5326, 5224..5325		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o2.ts	Method	TBLASTX:Soybean
Start	5285	End	6357
GI	none	Score	75
Exons	5285..5353, 5289..5354, 5417..5623, 5425..5631, 6286..6357, 6288..6356		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o5.tm	Method	TBLASTX:Maize
Start	6639	End	7324
GI	none	Score	116
Exons	6639..6701, 6834..6917, 7008..7115, 7229..7324		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o4.ts	Method	TBLASTX:Soybean
Start	7008	End	7449
GI	none	Score	77
Exons	7008..7115, 7009..7116, 7223..7318, 7226..7327, 7396..7449		

Seq. No.	40210	Seq. ID	OJ000209_14.0316.C8
Gene No.	83185	Strand	-
Start	2267	End	12640
Name	OJ000209_14.0316.C8.o4.np	Method	AAT/NAP
Start	11704	End	12522
GI	6539570	Score	137
Exons	11704..11796, 12063..12117, 12308..12522		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40211	Seq. ID	OJ000209_14.0316.C9

Gene No.	83186	Strand	+
Start	801	End	1368
Name	OJ000209_14.0316.C9.o1.np	Method	AAT/NAP
Start	801	End	1368
GI	6539580	Score	94
Exons	801..921, 1012..1107, 1158..1368		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40211	Seq. ID	OJ000209_14.0316.C9
Gene No.	83187	Strand	+
Start	1308	End	1362
Name	OJ000209_14.0316.C9.o1.gs	Method	GENSCAN
Start	1308	End	1362
GI	none	Score	.68
Exons	1308..1362		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83188	Strand	+
Start	1	End	764
Name	OJ000209_14.0316.C10.o1.np	Method	AAT/NAP
Start	1	End	764
GI	6539580	Score	262
Exons	1..274, 582..764		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83189	Strand	+
Start	2407	End	5556
Name	OJ000209_14.0316.C10.o1.gs	Method	GENSCAN
Start	2407	End	5556
GI	none	Score	.89
Exons	2407..2796, 2864..3067, 3391..3636, 3722..3958, 4110..4175, 4267..4370, 5019..5119, 5534..5556		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83189	Strand	+
Start	2407	End	5556
Name	OJ000209_14.0316.C10.o1.gp	Method	AAT/GAP
Start	2567	End	3067
GI	71192_1.R1084	Score	752
Exons	2567..2769, 2864..3067		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 1.0e-15 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83189	Strand	+
Start	2407	End	5556
Name	OJ000209_14.0316.C10.o2.np	Method	AAT/NAP
Start	2882	End	5032
GI	7300355	Score	243
Exons	2882..3067, 3391..3636, 3722..3963, 4110..4181, 4893..5032		
GI Descrip.	(AE003721) CG7993 gene product [Drosophila melanogaster]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83190	Strand	+
Start	7166	End	9393
Name	OJ000209_14.0316.C10.o2.gp	Method	AAT/GAP

Start	7166	End	7448
GI	2442368	Score	538
Exons	7166..7448		
GI Descrip.	4836927/gb|AAD30629.1|AC006085_2 2.0e-11 (AC006085) Unknown protein [Arabidopsis thaliana]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83190	Strand	+
Start	7166	End	9393
Name	OJ000209_14.0316.C10.o3.np	Method	AAT/NAP
Start	7255	End	9393
GI	4836927	Score	537
Exons	7255..7478, 8250..8364, 8504..8622, 9345..9393		
GI Descrip.	(AC006085) Unknown protein [Arabidopsis thaliana]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83191	Strand	+
Start	12824	End	14473
Name	OJ000209_14.0316.C10.o5.np	Method	AAT/NAP
Start	12824	End	14473
GI	4539658	Score	169
Exons	12824..13059, 14159..14473		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83192	Strand	-
Start	9730	End	11586
Name	OJ000209_14.0316.C10.o4.np	Method	AAT/NAP
Start	9730	End	11586
GI	5852093	Score	61
Exons	9730..9775, 11445..11586		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o1.tm	Method	TBLASTX:Maize
Start	2583	End	4486
GI	none	Score	39
Exons	2583..2603, 2653..2676, 2680..2769, 2691..2771, 2692..2772, 2853..2999, 2863..3066, 2864..3067, 2996..3067, 3389..3637, 3390..3638, 3390..3638, 3391..3639, 3707..3961, 3719..3970, 3721..3963, 4107..4178, 4109..4174, 4264..4356, 4272..4337, 4448..4486, 4449..4472		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o1.tc	Method	TBLASTX:Cress
Start	2695	End	3067
GI	none	Score	58
Exons	2695..2772, 2863..3066, 2864..3067		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591

Name	OJ000209_14.0316.C10.o1.ts	Method	TBLASTX:Soybean
Start	2710	End	3516
GI	none	Score	57
Exons	2710..2778, 2863..3066, 2864..3067, 3384..3503, 3391..3516		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o3.ts	Method	TBLASTX:Soybean
Start	3748	End	4341
GI	none	Score	241
Exons	3748..3939, 3749..3958, 4113..4178, 4264..4341		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o2.tm	Method	TBLASTX:Maize
Start	7195	End	8628
GI	none	Score	91
Exons	7195..7347, 7239..7346, 7350..7478, 7351..7479, 8211..8369, 8251..8367, 8498..8623, 8500..8628, 8516..8623		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o2.tc	Method	TBLASTX:Cress
Start	7317	End	8623
GI	none	Score	219
Exons	7317..7478, 7318..7473, 8235..8369, 8251..8367, 8516..8623		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o4.ts	Method	TBLASTX:Soybean
Start	7318	End	8340
GI	none	Score	230
Exons	7318..7479, 7335..7478, 8253..8339, 8254..8340		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o3.gs	Method	GENSCAN
Start	16566	End	18577
GI	none	Score	.63
Exons	16566..16623, 17171..17396, 18040..18134, 18225..18310, 18509..18577		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o6.np	Method	AAT/NAP
Start	17185	End	18549
GI	6899649	Score	339
Exons	17185..17417, 18052..18134, 18225..18310, 18383..18549		
GI Descrip.	(AC012189) T15D22.8 [Arabidopsis thaliana]		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10

Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o3.tm	Method	TBLASTX:Maize
Start	18053	End	18591
GI	none	Score	89
Exons	18053..18133, 18054..18134, 18222..18308, 18224..18307, 18347..18478, 18380..18499, 18502..18591		

Seq. No.	40212	Seq. ID	OJ000209_14.0316.C10
Gene No.	83193	Strand	-
Start	16566	End	18591
Name	OJ000209_14.0316.C10.o2.ts	Method	TBLASTX:Soybean
Start	18059	End	18499
GI	none	Score	96
Exons	18059..18133, 18066..18134, 18074..18136, 18216..18281, 18222..18290, 18223..18303, 18224..18313, 18375..18491, 18383..18499		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83194	Strand	-
Start	1	End	482
Name	OJ000209_14.0316.C11.o1.np	Method	AAT/NAP
Start	1	End	482
GI	4262233	Score	113
Exons	1..102, 222..482		
GI Descrip.	(AC006200) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83194	Strand	-
Start	1	End	482
Name	OJ000209_14.0316.C11.o1.gs	Method	GENSCAN
Start	222	End	479
GI	none	Score	.78
Exons	222..479		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o2.np	Method	AAT/NAP
Start	4483	End	5828
GI	6630696	Score	2196
Exons	4483..5828		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o1.tw	Method	TBLASTX:Wheat
Start	4619	End	5094
GI	none	Score	408
Exons	4619..5005, 4620..5003, 4621..5004, 5020..5094, 5021..5089, 5034..5093		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-

Start	4483	End	5828
Name	OJ000209_14.0316.C11.o2.ts	Method	TBLASTX:Soybean
Start	4732	End	5103
GI	none	Score	52
Exons	4732..4956, 4826..4957, 4975..5100, 4975..5103		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o1.tm	Method	TBLASTX:Maize
Start	4950	End	5322
GI	none	Score	117
Exons	4950..5282, 4951..5322, 4952..5299		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o3.ts	Method	TBLASTX:Soybean
Start	5110	End	5421
GI	none	Score	88
Exons	5110..5289, 5117..5290, 5290..5421		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o2.tw	Method	TBLASTX:Wheat
Start	5302	End	5827
GI	none	Score	61
Exons	5302..5508, 5503..5826, 5666..5827		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o2.tm	Method	TBLASTX:Maize
Start	5383	End	5828
GI	none	Score	58
Exons	5383..5826, 5486..5596, 5632..5712, 5775..5828		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o1.ts	Method	TBLASTX:Soybean
Start	5422	End	5811
GI	none	Score	82
Exons	5422..5811, 5528..5596		

Seq. No.	40213	Seq. ID	OJ000209_14.0316.C11
Gene No.	83195	Strand	-
Start	4483	End	5828
Name	OJ000209_14.0316.C11.o1.tc	Method	TBLASTX:Cress
Start	5629	End	5827
GI	none	Score	76
Exons	5629..5826, 5717..5827		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83196	Strand	+
Start	796	End	927

Name	OJ000209_14.0316.C12.o1.gs	Method	GENSCAN
Start	796	End	927
GI	none	Score	.99
Exons	796..927		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83197	Strand	+
Start	5916	End	6835
Name	OJ000209_14.0316.C12.o3.gs	Method	GENSCAN
Start	5916	End	6835
GI	none	Score	.64
Exons	5916..5961, 6693..6835		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83198	Strand	-
Start	1	End	3145
Name	OJ000209_14.0316.C12.o1.np	Method	AAT/NAP
Start	1	End	2203
GI	6630696	Score	3745
Exons	1..2203		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83198	Strand	-
Start	1	End	3145
Name	OJ000209_14.0316.C12.o2.gs	Method	GENSCAN
Start	1197	End	3145
GI	none	Score	.69
Exons	1197..1345, 1588..2541, 2547..2781, 3062..3145		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83198	Strand	-
Start	1	End	3145
Name	OJ000209_14.0316.C12.o1.gp	Method	AAT/GAP
Start	1271	End	2161
GI	101595_1.R1084	Score	1407
Exons	1271..1345, 1461..2161		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83199	Strand	-
Start	4969	End	5396
Name	OJ000209_14.0316.C12.o2.np	Method	AAT/NAP
Start	4969	End	5396
GI	6539570	Score	203
Exons	4969..5034, 5194..5396		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83200	Strand	-
Start	5523	End	6867
Name	OJ000209_14.0316.C12.o3.np	Method	AAT/NAP
Start	5523	End	6867
GI	6630699	Score	80

Exons	5523..5603, 6845..6867		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o1.tw	Method	TBLASTX:Wheat
Start	23	End	574
GI	none	Score	313
Exons	23..574, 28..564, 69..566		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o1.ts	Method	TBLASTX:Soybean
Start	224	End	622
GI	none	Score	79
Exons	224..397, 401..622, 405..551		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o3.tm	Method	TBLASTX:Maize
Start	410	End	874
GI	none	Score	75
Exons	410..874, 417..635		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o3.tw	Method	TBLASTX:Wheat
Start	575	End	767
GI	none	Score	103
Exons	575..718, 575..766, 585..767		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o2.ts	Method	TBLASTX:Soybean
Start	632	End	1012
GI	none	Score	83
Exons	632..880, 863..1012		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o1.tm	Method	TBLASTX:Maize
Start	986	End	1330
GI	none	Score	363
Exons	986..1027, 1056..1328, 1056..1328, 1057..1329, 1058..1330		
Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o2.tm	Method	TBLASTX:Maize

Start	1853	End	2161
GI	none	Score	139
Exons	1853..2161, 1856..2047, 1932..2114		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o2.tw	Method	TBLASTX:Wheat
Start	1913	End	2309
GI	none	Score	135
Exons	1913..2044, 1913..2197, 1932..2123, 2174..2308, 2211..2309		

Seq. No.	40214	Seq. ID	OJ000209_14.0316.C12
Gene No.	83201	Strand	-
Start	7748	End	7834
Name	OJ000209_14.0316.C12.o4.gs	Method	GENSCAN
Start	7748	End	7834
GI	none	Score	.94
Exons	7748..7834		

Seq. No.	40215	Seq. ID	OJ000209_14.0316.C13
Gene No.	83202	Strand	+
Start	1	End	2809
Name	OJ000209_14.0316.C13.o1.gp	Method	AAT/GAP
Start	1	End	318
GI	none	Score	514
Exons	1..318		

Seq. No.	40215	Seq. ID	OJ000209_14.0316.C13
Gene No.	83202	Strand	+
Start	1	End	2809
Name	OJ000209_14.0316.C13.o1.np	Method	AAT/NAP
Start	1	End	2809
GI	6322185	Score	64
Exons	1..45, 394..485, 1829..1949, 2744..2809		
GI Descrip.	Yil006wp gi|731775|sp|P40556|YIA6_YEAST PUTATIVE MITOCHONDRIAL CARRIER YIL006W gi|626359|pir||S48451 probable membrane protein YIL006w - yeast (Saccharomyces cerevisiae) gi|558398|emb|CAA86245.1| (Z38113) orf, len: 373aa, CAI: 0.10, similar to S36081 INTERNAL MEMBRANE PROTEIN - YEAST [Saccharomyces cerevisiae]		

Seq. No.	40215	Seq. ID	OJ000209_14.0316.C13
Gene No.	83202	Strand	+
Start	1	End	2809
Name	OJ000209_14.0316.C13.o1.gs	Method	GENSCAN
Start	187	End	506
GI	none	Score	.58
Exons	187..268, 400..506		

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83203	Strand	+
Start	8022	End	10229
Name	OJ000119_18.0309.C1.o2.np	Method	AAT/NAP
Start	8022	End	10229
GI	6911870	Score	384
Exons	8022..8190, 8865..9017, 9391..9483, 10040..10229		

GI Descrip. (AL138655) putative protein [Arabidopsis thaliana]

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83204	Strand	-
Start	200	End	1779
Name	OJ000119_18.0309.C1.o1.np	Method	AAT/NAP
Start	200	End	1779
GI	7485877	Score	258
Exons	200..284, 357..475, 698..859, 1690..1779		
GI Descrip.	hypothetical protein F20D22.9 - Arabidopsis thaliana gi|3142301|gb|AAC16752.1| (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H36304, and gb|N>		

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83204	Strand	-
Start	200	End	1779
Name	OJ000119_18.0309.C1.o1.gs	Method	GENSCAN
Start	357	End	1734
GI	none	Score	.6
Exons	357..410, 705..854, 1249..1357, 1674..1734		

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83205	Strand	-
Start	10036	End	10229
Name	OJ000119_18.0309.C1.o2.tm	Method	TBLASTX:Maize
Start	260	End	859
GI	none	Score	175
Exons	260..283, 357..473, 359..472, 367..483, 704..778, 780..857, 782..856, 784..858, 785..859		

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83205	Strand	-
Start	10036	End	10229
Name	OJ000119_18.0309.C1.o1.tm	Method	TBLASTX:Maize
Start	8916	End	10195
GI	none	Score	143
Exons	8916..9017, 8928..9017, 9339..9479, 9391..9483, 9400..9483, 10031..10195, 10031..10183, 10039..10191		

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83205	Strand	-
Start	10036	End	10229
Name	OJ000119_18.0309.C1.o1.ts	Method	TBLASTX:Soybean
Start	8958	End	10195
GI	none	Score	71
Exons	8958..9023, 9391..9483, 9402..9479, 10031..10183, 10037..10195, 10042..10191		

Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83205	Strand	-
Start	10036	End	10229
Name	OJ000119_18.0309.C1.o1.gp	Method	AAT/GAP
Start	10036	End	10229
GI	1109_1.R1084	Score	279

Exons	10036..10229		
GI Descrip.	'1077413/pir||S51431 2.0e-34 hypothetical protein YLR186w - yeast (Saccharomyces cerevisiae) >gi_577197 (U17246) Ylr186wp [Saccharomyces cerevisiae]'		
Seq. No.	40216	Seq. ID	OJ000119_18.0309.C1
Gene No.	83205	Strand	-
Start	10036	End	10229
Name	OJ000119_18.0309.C1.o1.tc	Method	TBLASTX:Cress
Start	10043	End	10195
GI	none	Score	203
Exons	10043..10195, 10045..10176		
Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83206	Strand	+
Start	1	End	1364
Name	OJ000119_18.0309.C2.o1.np	Method	AAT/NAP
Start	1	End	1046
GI	6911870	Score	111
Exons	1..103, 181..263, 352..409, 970..1046		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		
Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83206	Strand	+
Start	1	End	1364
Name	OJ000119_18.0309.C2.o1.gp	Method	AAT/GAP
Start	178	End	1364
GI	1109_1.R1084	Score	965
Exons	178..263, 352..409, 970..1364		
GI Descrip.	'1077413/pir||S51431 2.0e-34 hypothetical protein YLR186w - yeast (Saccharomyces cerevisiae) >gi_577197 (U17246) Ylr186wp [Saccharomyces cerevisiae]'		
Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83206	Strand	+
Start	1	End	1364
Name	OJ000119_18.0309.C2.o1.gs	Method	GENSCAN
Start	181	End	1049
GI	none	Score	.83
Exons	181..263, 352..409, 970..1049		
Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83207	Strand	-
Start	2155	End	2884
Name	OJ000119_18.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	2104	End	2563
GI	none	Score	56
Exons	2104..2166, 2170..2550, 2174..2563, 2182..2556		
Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83207	Strand	-
Start	2155	End	2884
Name	OJ000119_18.0309.C2.o2.gs	Method	GENSCAN
Start	2155	End	2547
GI	none	Score	.95
Exons	2155..2547		

Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83207	Strand	-
Start	2155	End	2884
Name	OJ000119_18.0309.C2.o2.np	Method	AAT/NAP
Start	2170	End	2884
GI	4415931	Score	415
Exons	2170..2563, 2822..2884		
GI Descrip.	(AC006418) putative ubiquitin [Arabidopsis thaliana]		

Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83207	Strand	-
Start	2155	End	2884
Name	OJ000119_18.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	2179	End	2563
GI	none	Score	145
Exons	2179..2475, 2180..2473, 2482..2556, 2483..2563		

Seq. No.	40217	Seq. ID	OJ000119_18.0309.C2
Gene No.	83207	Strand	-
Start	2155	End	2884
Name	OJ000119_18.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	2188	End	2563
GI	none	Score	263
Exons	2188..2553, 2189..2563		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.np	Method	AAT/NAP
Start	1	End	1207
GI	6633833	Score	728
Exons	1..416, 621..1207		
GI Descrip.	(AC009519) F1N19.4 [Arabidopsis thaliana]		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	1237
GI	none	Score	139
Exons	1..123, 1..90, 3..122, 121..519, 131..448, 132..518, 513..647, 520..567, 573..1124, 579..767, 602..967, 766..1131, 1151..1237, 1152..1214		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o2.ts	Method	TBLASTX:Soybean
Start	1	End	552
GI	none	Score	125
Exons	1..144, 3..143, 20..148, 135..194, 193..552, 196..435, 198..530		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.gs	Method	GENSCAN
Start	13	End	9316

GI	none	Score	.53
Exons	13..1287, 2037..2090, 2798..2970, 4397..4454, 4736..5226, 6196..7308, 7389..7418, 8190..8384, 9157..9316		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.tc	Method	TBLASTX:Cress
Start	219	End	530
GI	none	Score	205
Exons	219..530, 223..528		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.gp	Method	AAT/GAP
Start	225	End	812
GI	5607405	Score	1144
Exons	225..812		
GI Descrip.	4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o2.tc	Method	TBLASTX:Cress
Start	798	End	1083
GI	none	Score	151
Exons	798..1082, 811..1083		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o4.ts	Method	TBLASTX:Soybean
Start	879	End	1079
GI	none	Score	80
Exons	879..1079, 922..1059		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o2.tm	Method	TBLASTX:Maize
Start	4510	End	6367
GI	none	Score	71
Exons	4510..4575, 4585..4617, 4675..4743, 4679..4744, 4744..5232, 4744..5232, 5096..5242, 6146..6367, 6193..6366		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o3.ts	Method	TBLASTX:Soybean
Start	4675	End	4992
GI	none	Score	204
Exons	4675..4992, 4678..4992		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3

Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o2.np	Method	AAT/NAP
Start	4682	End	9427
GI	2120736	Score	685
Exons	4682..5226, 6196..7308, 7389..7423, 8198..8384, 9097..9427		
GI Descrip.	X-Pro dipeptidyl-peptidase (EC 3.4.14.11) - Xanthomonas maltophilia gi|1753197|dbj|BAA11872| (D83263) dipeptidyl peptidase IV [Stenotrophomonas maltophilia]		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o4.np	Method	AAT/NAP
Start	4682	End	8316
GI	2120736	Score	673
Exons	4682..5226, 6196..7308, 7389..7423, 8198..8316		
GI Descrip.	X-Pro dipeptidyl-peptidase (EC 3.4.14.11) - Xanthomonas maltophilia gi|1753197|dbj|BAA11872| (D83263) dipeptidyl peptidase IV [Stenotrophomonas maltophilia]		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.tw	Method	TBLASTX:Wheat
Start	5020	End	6292
GI	none	Score	203
Exons	5020..5232, 5023..5232, 5096..5242, 6143..6292, 6193..6291		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o1.ts	Method	TBLASTX:Soybean
Start	5044	End	8307
GI	none	Score	91
Exons	5044..5232, 5044..5232, 6193..6846, 6196..6315, 6197..6835, 6523..6843, 6639..6845, 6845..7309, 6850..7317, 6850..7308, 6852..7310, 7372..7413, 7380..7415, 8193..8306, 8194..8307		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o2.gp	Method	AAT/GAP
Start	6364	End	6882
GI	uC-osflcyp071g10b1	Score	1001
Exons	6364..6882		
GI Descrip.	'4415931/gb|AAD20161| 8.0e-42 (AC006418) unknown protein [Arabidopsis thaliana] >gi_4559393_gb_AAD23053.1_AC006526_18 (AC006526) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o5.tm	Method	TBLASTX:Maize
Start	6388	End	6546
GI	none	Score	42
Exons	6388..6429, 6389..6427, 6409..6546, 6440..6541, 6471..6545		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o3.tm	Method	TBLASTX:Maize
Start	6547	End	6841
GI	none	Score	405
Exons	6547..6840, 6548..6841, 6548..6841		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o2.tw	Method	TBLASTX:Wheat
Start	7114	End	8298
GI	none	Score	249
Exons	7114..7308, 7115..7309, 7184..7309, 7260..7310, 7380..7421, 7393..7416, 8187..8255, 8189..8275, 8233..8298, 8253..8297, 8257..8298		

Seq. No.	40218	Seq. ID	OJ000119_18.0309.C3
Gene No.	83208	Strand	-
Start	1	End	9427
Name	OJ000119_18.0309.C3.o4.tm	Method	TBLASTX:Maize
Start	8211	End	9312
GI	none	Score	185
Exons	8211..8381, 8212..8382, 8220..8384, 8225..8386, 9031..9114, 9077..9112, 9121..9276, 9235..9273, 9289..9312		

Seq. No.	40219	Seq. ID	OJ000119_18.0309.C4
Gene No.	83209	Strand	+
Start	1	End	6998
Name	OJ000119_18.0309.C4.o1.np	Method	AAT/NAP
Start	1	End	6998
GI	7486718	Score	278
Exons	1..64, 4426..4593, 5795..5835, 5866..5979, 6765..6998		
GI Descrip.	hypothetical protein F8M12.9 - Arabidopsis thaliana gi|3513738|gb|AAC33954.1| (AF080118) similar to the GDSL family of lipolytic enzymes [Arabidopsis thaliana]		

Seq. No.	40219	Seq. ID	OJ000119_18.0309.C4
Gene No.	83209	Strand	+
Start	1	End	6998
Name	OJ000119_18.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	1340	End	1685
GI	none	Score	144
Exons	1340..1480, 1569..1685		

Seq. No.	40219	Seq. ID	OJ000119_18.0309.C4
Gene No.	83209	Strand	+
Start	1	End	6998
Name	OJ000119_18.0309.C4.o1.gs	Method	GENSCAN
Start	1387	End	3727
GI	none	Score	.51
Exons	1387..1409, 1460..1595, 3000..3215, 3587..3727		

Seq. No.	40219	Seq. ID	OJ000119_18.0309.C4
Gene No.	83209	Strand	+

Start	1	End	6998
Name	OJ000119_18.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	2584	End	4638
GI	none	Score	126
Exons	2584..2844, 2674..2802, 4429..4638, 4449..4604		

Seq. No.	40219	Seq. ID	OJ000119_18.0309.C4
Gene No.	83209	Strand	+
Start	1	End	6998
Name	OJ000119_18.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	2656	End	4605
GI	none	Score	94
Exons	2656..2748, 2664..2747, 2743..2844, 4429..4512, 4449..4511, 4503..4592, 4504..4605		

Seq. No.	40219	Seq. ID	OJ000119_18.0309.C4
Gene No.	83209	Strand	+
Start	1	End	6998
Name	OJ000119_18.0309.C4.o2.gs	Method	GENSCAN
Start	4279	End	6010
GI	none	Score	.71
Exons	4279..4597, 5787..6010		

Seq. No.	40220	Seq. ID	OJ000119_18.0309.C6
Gene No.	83210	Strand	+
Start	1	End	798
Name	OJ000119_18.0309.C6.o1.np	Method	AAT/NAP
Start	1	End	798
GI	7485877	Score	369
Exons	1..202, 306..366, 642..798		
GI Descrip.	hypothetical protein F20D22.9 - Arabidopsis thaliana gi|3142301|gb|AAC16752.1| (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H36304, and gb|N>		

Seq. No.	40220	Seq. ID	OJ000119_18.0309.C6
Gene No.	83210	Strand	+
Start	1	End	798
Name	OJ000119_18.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	2	End	767
GI	none	Score	131
Exons	2..79, 3..113, 114..197, 306..365, 307..366, 627..767, 640..726, 641..766		

Seq. No.	40220	Seq. ID	OJ000119_18.0309.C6
Gene No.	83210	Strand	+
Start	1	End	798
Name	OJ000119_18.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	2	End	767
GI	none	Score	144
Exons	2..109, 3..110, 105..203, 307..366, 627..767, 641..766		

Seq. No.	40220	Seq. ID	OJ000119_18.0309.C6
Gene No.	83210	Strand	+
Start	1	End	798

Name	OJ000119_18.0309.C6.o1.gs	Method	GENSCAN
Start	3	End	755
GI	none	Score	.74
Exons	3..202, 306..366, 642..755		

Seq. No.	40220	Seq. ID	OJ000119_18.0309.C6
Gene No.	83210	Strand	+
Start	1	End	798
Name	OJ000119_18.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	303	End	767
GI	none	Score	57
Exons	303..362, 306..362, 307..366, 641..766	307..366, 627..767, 631..765,	

Seq. No.	40221	Seq. ID	OJ000119_18.0309.C7
Gene No.	83211	Strand	+
Start	482	End	714
Name	OJ000119_18.0309.C7.o1.np	Method	AAT/NAP
Start	482	End	714
GI	5922628	Score	215
Exons	482..714		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40222	Seq. ID	OJ000119_18.0309.C8
Gene No.	83212	Strand	
Start	534	End	1325
Name	OJ000119_18.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	534	End	1325
GI	none	Score	84
Exons	534..647, 537..644, 546..665, 552..647, 555..653, 555..656, 568..651, 570..647, 668..847, 705..836, 711..851, 713..814, 714..809, 714..845, 716..814, 716..850, 719..859, 728..847, 729..827, 794..886, 794..886, 842..1030, 847..939, 848..940, 875..952, 876..1028, 878..1027, 878..1042, 890..1042, 909..1049, 921..1043, 924..1043, 926..1021, 927..1073, 928..1053, 930..1031, 931..1053, 1054..1317, 1075..1182, 1077..1187, 1078..1182, 1078..1197, 1083..1190, 1083..1196, 1086..1208, 1090..1212, 1197..1316, 1197..1325, 1198..1323, 1200..1319, 1274..1318		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83213	Strand	+
Start	1119	End	1228
Name	OJ000119_18.0309.C9.o1.gs	Method	GENSCAN
Start	1119	End	1228
GI	none	Score	1
Exons	1119..1228		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83214	Strand	+
Start	2008	End	11758
Name	OJ000119_18.0309.C9.o1.gp	Method	AAT/GAP
Start	1913	End	5967
GI	none	Score	1795
Exons	1913..2329, 3858..3956, 5179..5277, 5393..5494, 5598..5705,		

5779..5967

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83214	Strand	+
Start	2008	End	11758
Name	OJ000119_18.0309.C9.o2.gs	Method	GENSCAN
Start	2008	End	2711
GI	none	Score	.99
Exons	2008..2329, 2623..2711		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83214	Strand	+
Start	2008	End	11758
Name	OJ000119_18.0309.C9.o3.gs	Method	GENSCAN
Start	3858	End	6488
GI	none	Score	.65
Exons	3858..3956, 4304..4703, 5179..5277, 5393..5494, 5598..5705, 5785..6488		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83214	Strand	+
Start	2008	End	11758
Name	OJ000119_18.0309.C9.o1.np	Method	AAT/NAP
Start	5420	End	11758
GI	6063554	Score	265
Exons	5420..5451, 8846..9061, 9186..9404, 10922..10949, 11578..11758		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83214	Strand	+
Start	2008	End	11758
Name	OJ000119_18.0309.C9.o3.gp	Method	AAT/GAP
Start	8924	End	9280
GI	428878	Score	444
Exons	8924..9280		
GI Descrip.	6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83215	Strand	+
Start	15921	End	18231
Name	OJ000119_18.0309.C9.o2.np	Method	AAT/NAP
Start	15921	End	18231
GI	2316016	Score	547
Exons	15921..15976, 17493..18231		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83216	Strand	-
Start	6329	End	6674
Name	OJ000119_18.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	5783	End	6431
GI	none	Score	70
Exons	5783..5863, 5802..5861, 5907..6038, 5925..6020, 6087..6158, 6137..6244, 6156..6245, 6224..6361, 6225..6365, 6348..6431,		

6363..6422

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83216	Strand	-
Start	6329	End	6674
Name	OJ000119_18.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	5910	End	6497
GI	none	Score	79
Exons	5910..6044, 6060..6182, 6204..6341, 6360..6398, 6441..6497		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83216	Strand	-
Start	6329	End	6674
Name	OJ000119_18.0309.C9.o2.gp	Method	AAT/GAP
Start	6329	End	6674
GI	uC-osf1cyp177c09a1	Score	574
Exons	6329..6674		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	40223	Seq. ID	OJ000119_18.0309.C9
Gene No.	83217	Strand	
Start	17483	End	18231
Name	OJ000119_18.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	17483	End	18231
GI	none	Score	117
Exons	17483..17776, 17539..17700, 17704..18231, 17705..18175, 17905..18228		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83218	Strand	+
Start	218	End	1473
Name	OJ000119_18.0309.C11.o1.gs	Method	GENSCAN
Start	218	End	1473
GI	none	Score	.6
Exons	218..313, 1370..1473		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83219	Strand	+
Start	1845	End	5455
Name	OJ000119_18.0309.C11.o1.np	Method	AAT/NAP
Start	1845	End	5455
GI	2316016	Score	1716
Exons	1845..1899, 3534..5262, 5434..5455		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83220	Strand	-
Start	1672	End	3329
Name	OJ000119_18.0309.C11.o2.gs	Method	GENSCAN
Start	1672	End	3329
GI	none	Score	.56
Exons	1672..2324, 2507..2587, 2736..2883, 3270..3329		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83221	Strand	
Start	3583	End	5270

Name	OJ000119_18.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	3583	End	5270
GI	none	Score	108
Exons	3583..3753, 3591..3752, 3756..4307, 3757..4068, 3865..4416, 4129..4227, 4158..4415, 4294..4416, 4419..5270, 4420..5262, 4819..4956, 4851..5264, 4877..5269		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83221	Strand	
Start	3583	End	5270
Name	OJ000119_18.0309.C11.o2.tm	Method	TBLASTX:Maize
Start	4600	End	4971
GI	none	Score	96
Exons	4600..4749, 4786..4971, 4812..4970		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83221	Strand	
Start	3583	End	5270
Name	OJ000119_18.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	4864	End	5223
GI	none	Score	499
Exons	4864..5223, 4868..5071, 4869..5222		

Seq. No.	40224	Seq. ID	OJ000119_18.0309.C11
Gene No.	83221	Strand	
Start	3583	End	5270
Name	OJ000119_18.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	5011	End	5270
GI	none	Score	345
Exons	5011..5268, 5011..5262, 5055..5264, 5064..5270		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o1.np	Method	AAT/NAP
Start	1	End	4178
GI	2316016	Score	2184
Exons	1..199, 654..740, 826..1456, 1576..1740, 2222..2516, 2621..2835, 3202..3507, 3596..3659, 3748..3987, 4072..4178		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	1	End	4163
GI	none	Score	306
Exons	1..207, 2..199, 19..201, 645..743, 647..745, 825..896, 825..896, 826..978, 1043..1462, 1075..1455, 1115..1456, 1576..1752, 2219..2446, 2224..2460, 2625..2840, 2626..2838, 2641..2859, 3196..3507, 3198..3509, 3201..3512, 3232..3369, 3593..3658, 3743..3988, 3747..3989, 4056..4163		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o1.tm	Method	TBLASTX:Maize

Start	62	End	4163
GI	none	Score	75
Exons	62..181, 1579..1752, 2216..2446, 2224..2520, 2622..2840, 2626..2838, 3196..3507, 3222..3506, 3593..3655, 3746..3988, 3747..3989, 3753..3989, 4056..4163, 4071..4154		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o2.ts	Method	TBLASTX:Soybean
Start	107	End	1213
GI	none	Score	153
Exons	107..199, 109..204, 109..207, 645..743, 647..745, 816..884, 826..990, 1060..1209, 1061..1213, 1077..1211		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o1.gs	Method	GENSCAN
Start	654	End	4172
GI	none	Score	.67
Exons	654..740, 826..997, 1011..1276, 1406..1456, 2222..2516, 3239..3507, 3596..3659, 3748..3987, 4072..4172		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	1154	End	1458
GI	none	Score	385
Exons	1154..1456, 1156..1458, 1156..1455		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o3.ts	Method	TBLASTX:Soybean
Start	1214	End	1462
GI	none	Score	206
Exons	1214..1462, 1216..1458		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	1636	End	3965
GI	none	Score	118
Exons	1636..1752, 1644..1739, 2180..2446, 2197..2334, 2392..2514, 2568..2615, 2625..2840, 2626..2838, 2645..2842, 3196..3507, 3199..3504, 3209..3508, 3210..3512, 3414..3512, 3593..3655, 3743..3964, 3744..3965, 3747..3965		

Seq. No.	40225	Seq. ID	OJ000119_18.0309.C12
Gene No.	83222	Strand	+
Start	1	End	5166
Name	OJ000119_18.0309.C12.o2.np	Method	AAT/NAP
Start	3364	End	5166
GI	7340909	Score	132

Exons	3364..3386, 4720..5166		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	40226	Seq. ID	OJ000119_18.0309.C13
Gene No.	83223	Strand	-
Start	1	End	1805
Name	OJ000119_18.0309.C13.o1.np	Method	AAT/NAP
Start	1	End	1805
GI	7340909	Score	137
Exons	1..95, 248..507, 1760..1805		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		
Seq. No.	40226	Seq. ID	OJ000119_18.0309.C13
Gene No.	83223	Strand	-
Start	1	End	1805
Name	OJ000119_18.0309.C13.o1.gs	Method	GENSCAN
Start	150	End	516
GI	none	Score	.95
Exons	150..291, 404..516		
Seq. No.	40227	Seq. ID	OJ000119_18.0309.C14
Gene No.	83224	Strand	+
Start	1832	End	2489
Name	OJ000119_18.0309.C14.o1.gs	Method	GENSCAN
Start	1832	End	2489
GI	none	Score	.4
Exons	1832..1963, 2126..2255, 2353..2489		
Seq. No.	40227	Seq. ID	OJ000119_18.0309.C14
Gene No.	83225	Strand	-
Start	2643	End	2845
Name	OJ000119_18.0309.C14.o1.gp	Method	AAT/GAP
Start	2643	End	2845
GI	85013_1.R1084	Score	373
Exons	2643..2845		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		
Seq. No.	40228	Seq. ID	OJ000119_18.0309.C15
Gene No.	83226	Strand	+
Start	1931	End	3218
Name	OJ000119_18.0309.C15.o1.np	Method	AAT/NAP
Start	1931	End	3218
GI	100210	Score	104
Exons	1931..2082, 2791..3218		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		
Seq. No.	40228	Seq. ID	OJ000119_18.0309.C15
Gene No.	83227	Strand	-
Start	1566	End	3302
Name	OJ000119_18.0309.C15.o1.gp	Method	AAT/GAP
Start	1533	End	1834
GI	85013_1.R1084	Score	551
Exons	1533..1834		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	40228	Seq. ID	OJ000119_18.0309.C15
Gene No.	83227	Strand	-
Start	1566	End	3302
Name	OJ000119_18.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	1565	End	1773
GI	none	Score	128
Exons	1565..1744, 1566..1757, 1566..1769, 1567..1773		

Seq. No.	40228	Seq. ID	OJ000119_18.0309.C15
Gene No.	83227	Strand	-
Start	1566	End	3302
Name	OJ000119_18.0309.C15.o1.gs	Method	GENSCAN
Start	1566	End	3302
GI	none	Score	1
Exons	1566..3302		

Seq. No.	40228	Seq. ID	OJ000119_18.0309.C15
Gene No.	83227	Strand	-
Start	1566	End	3302
Name	OJ000119_18.0309.C15.o2.tm	Method	TBLASTX:Maize
Start	1878	End	2765
GI	none	Score	75
Exons	1878..1979, 1889..1996, 1893..1979, 1898..1981, 1949..2014, 1977..2126, 2112..2186, 2119..2163, 2232..2294, 2246..2302, 2358..2591, 2409..2480, 2520..2765, 2523..2687, 2527..2697		

Seq. No.	40228	Seq. ID	OJ000119_18.0309.C15
Gene No.	83227	Strand	-
Start	1566	End	3302
Name	OJ000119_18.0309.C15.o2.gp	Method	AAT/GAP
Start	1964	End	2361
GI	3763520	Score	750
Exons	1964..2361		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83228	Strand	+
Start	1	End	3148
Name	OJ000119_18.0309.C16.o1.np	Method	AAT/NAP
Start	1	End	3145
GI	6723392	Score	1237
Exons	1..104, 391..1078, 2436..3145		
GI Descrip.	(AL132956) pectinesterase-like protein [Arabidopsis thaliana]		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83228	Strand	+
Start	1	End	3148
Name	OJ000119_18.0309.C16.o1.gs	Method	GENSCAN
Start	127	End	3148
GI	none	Score	.93
Exons	127..1078, 1628..1732, 2436..3148		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83229	Strand	+
Start	4465	End	5703
Name	OJ000119_18.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	759	End	3118

GI	none	Score	50
Exons	759..794, 760..798, 823..1077, 834..1076, 2435..2785, 2437..2505, 2563..2781, 2846..3052, 2848..2937, 3052..3117, 3053..3118		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83229	Strand	+
Start	4465	End	5703
Name	OJ000119_18.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	760	End	3141
GI	none	Score	52
Exons	760..798, 831..1073, 832..1074, 2434..2505, 2435..2785, 2572..2598, 2626..2772, 2842..2985, 2846..3118, 3037..3141		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83229	Strand	+
Start	4465	End	5703
Name	OJ000119_18.0309.C16.o2.tw	Method	TBLASTX:Wheat
Start	781	End	1074
GI	none	Score	175
Exons	781..1074		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83229	Strand	+
Start	4465	End	5703
Name	OJ000119_18.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	832	End	3121
GI	none	Score	244
Exons	832..1074, 840..1073, 2434..2769, 2435..2785, 2846..3121, 2848..2952		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83229	Strand	+
Start	4465	End	5703
Name	OJ000119_18.0309.C16.o1.tw	Method	TBLASTX:Wheat
Start	2476	End	2905
GI	none	Score	303
Exons	2476..2772, 2480..2785, 2846..2905, 2848..2904		

Seq. No.	40229	Seq. ID	OJ000119_18.0309.C16
Gene No.	83229	Strand	+
Start	4465	End	5703
Name	OJ000119_18.0309.C16.o2.gs	Method	GENSCAN
Start	4465	End	5703
GI	none	Score	.88
Exons	4465..5703		

Seq. No.	40230	Seq. ID	OJ000119_18.0309.C17
Gene No.	83230	Strand	+
Start	1031	End	10561
Name	OJ000119_18.0309.C17.o1.gs	Method	GENSCAN
Start	1031	End	2293
GI	none	Score	.76
Exons	1031..2293		

Seq. No.	40230	Seq. ID	OJ000119_18.0309.C17
Gene No.	83230	Strand	+

Start	1031	End	10561
Name	OJ000119_18.0309.C17.o1.np	Method	AAT/NAP
Start	1108	End	9890
GI	2274845	Score	126
Exons	1108..1226, 1418..1527, 6172..6394, 9637..9890		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		

Seq. No.	40230	Seq. ID	OJ000119_18.0309.C17
Gene No.	83230	Strand	+
Start	1031	End	10561
Name	OJ000119_18.0309.C17.o4.gs	Method	GENSCAN
Start	9600	End	10561
GI	none	Score	.66
Exons	9600..9974, 9985..10140, 10415..10561		

Seq. No.	40231	Seq. ID	OJ000119_18.0309.C18
Gene No.	83231	Strand	-
Start	1	End	766
Name	OJ000119_18.0309.C18.o1.np	Method	AAT/NAP
Start	1	End	766
GI	7523517	Score	409
Exons	1..23, 268..322, 467..766		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83232	Strand	+
Start	1695	End	6665
Name	OJ000119_18.0309.C19.o1.gs	Method	GENSCAN
Start	1695	End	6535
GI	none	Score	.64
Exons	1695..1879, 2036..2140, 2783..2826, 3020..3144, 3211..3408, 3478..3536, 3619..3928, 3989..4101, 4786..4819, 5943..6055, 6427..6535		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83232	Strand	+
Start	1695	End	6665
Name	OJ000119_18.0309.C19.o1.np	Method	AAT/NAP
Start	1780	End	3880
GI	6721558	Score	272
Exons	1780..1879, 3020..3144, 3660..3880		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83232	Strand	+
Start	1695	End	6665
Name	OJ000119_18.0309.C19.o2.np	Method	AAT/NAP
Start	2934	End	4056
GI	6721561	Score	761
Exons	2934..3002, 3211..3408, 3478..3536, 3619..4056		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83232	Strand	+
Start	1695	End	6665
Name	OJ000119_18.0309.C19.o4.np	Method	AAT/NAP
Start	6427	End	6665
GI	4680179	Score	328
Exons	6427..6665		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83233	Strand	-
Start	5654	End	6665
Name	OJ000119_18.0309.C19.o3.np	Method	AAT/NAP
Start	5654	End	6665
GI	6815053	Score	497
Exons	5654..5890, 5940..6116, 6585..6665		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83233	Strand	-
Start	5654	End	6665
Name	OJ000119_18.0309.C19.o1.tw	Method	TBLASTX:Wheat
Start	6394	End	6664
GI	none	Score	109
Exons	6394..6663, 6399..6641, 6430..6663, 6431..6664		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83233	Strand	-
Start	5654	End	6665
Name	OJ000119_18.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	6464	End	6664
GI	none	Score	261
Exons	6464..6664, 6472..6657		

Seq. No.	40232	Seq. ID	OJ000119_18.0309.C19
Gene No.	83233	Strand	-
Start	5654	End	6665
Name	OJ000119_18.0309.C19.o1.ts	Method	TBLASTX:Soybean
Start	6472	End	6664
GI	none	Score	206
Exons	6472..6660, 6473..6664, 6485..6664		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83234	Strand	+
Start	1	End	1149
Name	OJ000119_18.0309.C20.o1.np	Method	AAT/NAP
Start	1	End	1149
GI	6983859	Score	1478
Exons	1..1149		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o1.ts	Method	TBLASTX:Soybean

Start	1	End	217
GI	none	Score	202
Exons	1..216, 2..217		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o3.tw	Method	TBLASTX:Wheat
Start	1	End	163
GI	none	Score	244
Exons	1..159, 2..163		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o2.tm	Method	TBLASTX:Maize
Start	18	End	310
GI	none	Score	59
Exons	18..158, 19..306, 20..310, 200..307		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o1.tw	Method	TBLASTX:Wheat
Start	194	End	804
GI	none	Score	158
Exons	194..346, 235..333, 325..804, 340..768, 345..803		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	361	End	945
GI	none	Score	222
Exons	361..519, 363..515, 389..523, 505..699, 516..587, 516..944, 517..945		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o2.tw	Method	TBLASTX:Wheat
Start	804	End	1137
GI	none	Score	356
Exons	804..1028, 805..1137		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o3.tm	Method	TBLASTX:Maize
Start	945	End	1191
GI	none	Score	179
Exons	945..1073, 946..1191		

Seq. No.	40233	Seq. ID	OJ000119_18.0309.C20
Gene No.	83235	Strand	-
Start	1357	End	1908
Name	OJ000119_18.0309.C20.o2.gs	Method	GENSCAN

Start	1357	End	1908
GI	none	Score	.87
Exons	1357..1369, 1751..1908		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83236	Strand	+
Start	1669	End	2188
Name	OJ000119_18.0309.C21.o1.gp	Method	AAT/GAP
Start	1669	End	2188
GI	LIB3434-038-P1-K1-F1	Score	774
Exons	1669..2188		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83237	Strand	+
Start	3002	End	5612
Name	OJ000119_18.0309.C21.o1.np	Method	AAT/NAP
Start	3002	End	5612
GI	5257279	Score	2240
Exons	3002..3547, 3896..4266, 4507..5612		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83238	Strand	+
Start	11166	End	19687
Name	OJ000119_18.0309.C21.o3.gp	Method	AAT/GAP
Start	11092	End	14012
GI	857_1.R1084	Score	1946
Exons	11092..11224, 11357..11462, 12075..12212, 12308..12493, 12602..12802, 13708..14012		
GI Descrip.	'4079800 1.0e-124 (AF052503) S-phase-specific ribosomal protein [Oryza sativa]'		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83238	Strand	+
Start	11166	End	19687
Name	OJ000119_18.0309.C21.o3.gs	Method	GENSCAN
Start	11166	End	19013
GI	none	Score	.6
Exons	11166..11224, 11357..11462, 12075..12212, 12308..12493, 12602..12802, 13708..13735, 14225..14400, 14906..15085, 16045..16176, 18398..18426, 18644..18848, 18915..19013		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83238	Strand	+
Start	11166	End	19687
Name	OJ000119_18.0309.C21.o3.np	Method	AAT/NAP
Start	11166	End	13800
GI	7441116	Score	1149
Exons	11166..11224, 11357..11462, 12075..12212, 12308..12494, 12602..12802, 13708..13800		
GI Descrip.	ribosomal protein S3a, cytosolic - rice gi|4079800|gb|AAC98779.1| (AF052503) S-phase-specific ribosomal protein [Oryza sativa]		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83238	Strand	+
Start	11166	End	19687
Name	OJ000119_18.0309.C21.o4.np	Method	AAT/NAP
Start	14831	End	16314
GI	6979320	Score	282
Exons	14831..15159, 16015..16314		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83238	Strand	+
Start	11166	End	19687
Name	OJ000119_18.0309.C21.o5.np	Method	AAT/NAP
Start	18327	End	19687
GI	6979320	Score	234
Exons	18327..19059, 19454..19687		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o2.np	Method	AAT/NAP
Start	1	End	11458
GI	7228457	Score	1336
Exons	1..47, 5614..6231, 6286..7859, 11405..11458		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o3.tm	Method	TBLASTX:Maize
Start	5168	End	5491
GI	none	Score	198
Exons	5168..5491, 5215..5316, 5429..5491		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o5.tw	Method	TBLASTX:Wheat
Start	5173	End	5551
GI	none	Score	135
Exons	5173..5295, 5174..5395, 5393..5545, 5429..5551, 5440..5550		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o2.tm	Method	TBLASTX:Maize
Start	5657	End	6010
GI	none	Score	140
Exons	5657..5815, 5751..5948, 5814..5966, 5816..5956, 5816..6010		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o2.tw	Method	TBLASTX:Wheat

Start	5688	End	6140
GI	none	Score	108
Exons	5688..5816, 5699..5815, 5822..6139, 5822..6139, 5823..6140		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o3.tw	Method	TBLASTX:Wheat
Start	6171	End	6787
GI	none	Score	40
Exons	6171..6230, 6332..6568, 6342..6407, 6347..6556, 6450..6566, 6605..6787, 6678..6779		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o4.tw	Method	TBLASTX:Wheat
Start	7370	End	7768
GI	none	Score	59
Exons	7370..7768, 7500..7643, 7716..7754		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o2.gp	Method	AAT/GAP
Start	9934	End	10042
GI	LIB3477-003-P1-K1-E9	Score	79
Exons	9934..10042		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o1.tm	Method	TBLASTX:Maize
Start	11354	End	13776
GI	none	Score	184
Exons	11354..11473, 11355..11471, 12078..12212, 12081..12212, 12304..12492, 12307..12489, 12308..12499, 12589..12804, 12599..12805, 13699..13755, 13705..13776		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o1.tc	Method	TBLASTX:Cress
Start	11355	End	12805
GI	none	Score	166
Exons	11355..11471, 11357..11473, 12078..12212, 12081..12212, 12179..12226, 12304..12492, 12307..12489, 12308..12499, 12589..12804, 12599..12805, 12599..12805		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o1.tw	Method	TBLASTX:Wheat
Start	11355	End	12805

GI	none	Score	163
Exons	11355..11471, 11358..11465, 12078..12212, 12084..12212, 12164..12226, 12304..12468, 12307..12492, 12308..12499, 12599..12685, 12601..12804, 12686..12736, 12728..12805		

Seq. No.	40234	Seq. ID	OJ000119_18.0309.C21
Gene No.	83239	Strand	-
Start	1	End	13776
Name	OJ000119_18.0309.C21.o1.ts	Method	TBLASTX:Soybean
Start	11355	End	13755
GI	none	Score	172
Exons	11355..11471, 11360..11473, 12078..12212, 12081..12212, 12179..12226, 12303..12437, 12304..12486, 12307..12492, 12308..12499, 12589..12804, 12599..12805, 12868..12912, 12994..13077, 13699..13755		

Seq. No.	40235	Seq. ID	OJ000119_18.0309.C22
Gene No.	83240	Strand	+
Start	1	End	353
Name	OJ000119_18.0309.C22.o1.np	Method	AAT/NAP
Start	1	End	353
GI	6979320	Score	265
Exons	1..353		
GI Descrip.	(AF172282) hypothetical protein [Oryza sativa]		

Seq. No.	40235	Seq. ID	OJ000119_18.0309.C22
Gene No.	83241	Strand	+
Start	4983	End	11439
Name	OJ000119_18.0309.C22.o2.gs	Method	GENSCAN
Start	4983	End	10962
GI	none	Score	.62
Exons	4983..5093, 5313..5571, 5604..5803, 8628..8749, 10232..10274, 10882..10962		

Seq. No.	40235	Seq. ID	OJ000119_18.0309.C22
Gene No.	83241	Strand	+
Start	4983	End	11439
Name	OJ000119_18.0309.C22.o3.np	Method	AAT/NAP
Start	7635	End	11439
GI	6721547	Score	81
Exons	7635..7728, 11379..11439		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	40235	Seq. ID	OJ000119_18.0309.C22
Gene No.	83242	Strand	-
Start	4874	End	6309
Name	OJ000119_18.0309.C22.o2.np	Method	AAT/NAP
Start	4874	End	6309
GI	6630691	Score	94
Exons	4874..5063, 6279..6309		
GI Descrip.	(AP000969) ESTs AU082078(C53435), C28061(C53848) correspond to a region of the predicted gene.; Similar to PGP224. (AF049928) [Oryza sativa]		

Seq. No.	40235	Seq. ID	OJ000119_18.0309.C22
Gene No.	83242	Strand	-
Start	4874	End	6309

Name	OJ000119_18.0309.C22.o1.gp	Method	AAT/GAP
Start	4983	End	5731
GI	702381	Score	576
Exons	4983..5119, 5426..5497, 5593..5731		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o1.np	Method	AAT/NAP
Start	1	End	3591
GI	6587849	Score	253
Exons	1..507, 3545..3591		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o4.tw	Method	TBLASTX:Wheat
Start	322	End	515
GI	none	Score	83
Exons	322..513, 336..515		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o2.np	Method	AAT/NAP
Start	1517	End	6077
GI	5042447	Score	2397
Exons	1517..1537, 4101..6077		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o2.gs	Method	GENSCAN
Start	4052	End	5875
GI	none	Score	.88
Exons	4052..5311, 5405..5875		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o1.tw	Method	TBLASTX:Wheat
Start	4103	End	4465
GI	none	Score	217
Exons	4103..4465, 4104..4361, 4109..4426		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o1.tm	Method	TBLASTX:Maize
Start	4164	End	4453
GI	none	Score	174
Exons	4164..4355, 4166..4453		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24

Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o3.tw	Method	TBLASTX:Wheat
Start	4640	End	5044
GI	none	Score	54
Exons	4640..4813, 4671..4739, 4700..4780, 4817..5044, 4875..5009		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o3.tm	Method	TBLASTX:Maize
Start	4727	End	5047
GI	none	Score	82
Exons	4727..5047, 4902..5003		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o2.tm	Method	TBLASTX:Maize
Start	5372	End	5701
GI	none	Score	60
Exons	5372..5701, 5514..5618		

Seq. No.	40236	Seq. ID	OJ000119_18.0309.C24
Gene No.	83243	Strand	-
Start	1	End	6077
Name	OJ000119_18.0309.C24.o2.tw	Method	TBLASTX:Wheat
Start	5582	End	5965
GI	none	Score	137
Exons	5582..5965, 5583..5942		

Seq. No.	40237	Seq. ID	OJ000119_18.0309.C25
Gene No.	83244	Strand	+
Start	103	End	363
Name	OJ000119_18.0309.C25.o1.gs	Method	GENSCAN
Start	103	End	363
GI	none	Score	.65
Exons	103..363		

Seq. No.	40238	Seq. ID	OJ000119_18.0309.C28
Gene No.	83245	Strand	+
Start	1489	End	2763
Name	OJ000119_18.0309.C28.o1.gs	Method	GENSCAN
Start	1489	End	2763
GI	none	Score	.71
Exons	1489..2763		

Seq. No.	40239	Seq. ID	OJ000119_18.0309.C29
Gene No.	83246	Strand	+
Start	2365	End	4357
Name	OJ000119_18.0309.C29.o1.np	Method	AAT/NAP
Start	2365	End	4357
GI	7488319	Score	1004
Exons	2365..4357		
GI Descrip.	RNA-directed DNA polymerase homolog T13L16.7 - Arabidopsis thaliana (fragment)		

Seq. No.	40239	Seq. ID	OJ000119_18.0309.C29
Gene No.	83246	Strand	+
Start	2365	End	4357
Name	OJ000119_18.0309.C29.o2.tw	Method	TBLASTX:Wheat
Start	2481	End	2853
GI	none	Score	85
Exons	2481..2576, 2536..2658, 2653..2853, 2667..2804		

Seq. No.	40239	Seq. ID	OJ000119_18.0309.C29
Gene No.	83246	Strand	+
Start	2365	End	4357
Name	OJ000119_18.0309.C29.o1.ts	Method	TBLASTX:Soybean
Start	3325	End	3732
GI	none	Score	99
Exons	3325..3450, 3433..3732		

Seq. No.	40239	Seq. ID	OJ000119_18.0309.C29
Gene No.	83246	Strand	+
Start	2365	End	4357
Name	OJ000119_18.0309.C29.o1.tm	Method	TBLASTX:Maize
Start	3907	End	4341
GI	none	Score	103
Exons	3907..4062, 4096..4341		

Seq. No.	40239	Seq. ID	OJ000119_18.0309.C29
Gene No.	83246	Strand	+
Start	2365	End	4357
Name	OJ000119_18.0309.C29.o1.tw	Method	TBLASTX:Wheat
Start	3951	End	4332
GI	none	Score	71
Exons	3951..4166, 3951..4166, 3952..4170, 3961..4173, 4158..4331, 4164..4316, 4165..4332		

Seq. No.	40239	Seq. ID	OJ000119_18.0309.C29
Gene No.	83246	Strand	+
Start	2365	End	4357
Name	OJ000119_18.0309.C29.o2.ts	Method	TBLASTX:Soybean
Start	4084	End	4356
GI	none	Score	185
Exons	4084..4356		

Seq. No.	40240	Seq. ID	OJ000119_18.0309.C30
Gene No.	83247	Strand	+
Start	1	End	1535
Name	OJ000119_18.0309.C30.o1.np	Method	AAT/NAP
Start	1	End	1349
GI	6996258	Score	541
Exons	1..1229, 1279..1349		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	40240	Seq. ID	OJ000119_18.0309.C30
Gene No.	83247	Strand	+
Start	1	End	1535
Name	OJ000119_18.0309.C30.o1.tm	Method	TBLASTX:Maize
Start	2	End	323
GI	none	Score	192
Exons	2..313, 6..323		

Seq. No.	40240	Seq. ID	OJ000119_18.0309.C30
Gene No.	83247	Strand	+
Start	1	End	1535
Name	OJ000119_18.0309.C30.o2.tw	Method	TBLASTX:Wheat
Start	12	End	352
GI	none	Score	51
Exons	12..59, 59..352, 60..344		

Seq. No.	40240	Seq. ID	OJ000119_18.0309.C30
Gene No.	83247	Strand	+
Start	1	End	1535
Name	OJ000119_18.0309.C30.o1.gs	Method	GENSCAN
Start	27	End	1535
GI	none	Score	.55
Exons	27..183, 349..1535		

Seq. No.	40240	Seq. ID	OJ000119_18.0309.C30
Gene No.	83247	Strand	+
Start	1	End	1535
Name	OJ000119_18.0309.C30.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1160
GI	none	Score	339
Exons	741..1022, 759..1160, 1064..1147		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83248	Strand	+
Start	1	End	925
Name	OJ000119_18.0309.C31.o1.np	Method	AAT/NAP
Start	1	End	925
GI	5257263	Score	230
Exons	1..65, 335..925		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83248	Strand	+
Start	1	End	925
Name	OJ000119_18.0309.C31.o1.gs	Method	GENSCAN
Start	244	End	910
GI	none	Score	.88
Exons	244..453, 527..910		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83249	Strand	-
Start	791	End	999
Name	OJ000119_18.0309.C31.o1.gp	Method	AAT/GAP
Start	791	End	999
GI	uC-osflcyp177c09a1	Score	304
Exons	791..999		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-15 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507

Name	OJ000119_18.0309.C31.o6.tm	Method	TBLASTX:Maize
Start	279	End	853
GI	none	Score	99
Exons	279..473, 367..477, 493..567, 559..666, 578..667, 646..741, 647..745, 656..784, 785..844, 794..853		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o2.np	Method	AAT/NAP
Start	2349	End	7759
GI	4512618	Score	1671
Exons	2349..2500, 2770..4366, 4618..6182, 6412..7106, 7659..7759		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o2.gs	Method	GENSCAN
Start	2746	End	7114
GI	none	Score	.61
Exons	2746..3308, 3412..3480, 3511..4296, 4399..4530, 4762..4887, 5127..5263, 5688..5840, 5965..6159, 6603..6757, 6884..7114		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o3.np	Method	AAT/NAP
Start	2764	End	10507
GI	7521950	Score	403
Exons	2764..4183, 8199..8351, 10482..10507		
GI Descrip.	hypothetical protein - Saccharomyces paradoxus gi|2865202|gb|AAC02631.1| (U19263) ORF [Saccharomyces paradoxus]		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o3.tm	Method	TBLASTX:Maize
Start	2776	End	3108
GI	none	Score	43
Exons	2776..2814, 2780..2812, 2854..3108, 2855..3055, 2866..3108		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o1.ts	Method	TBLASTX:Soybean
Start	2890	End	3384
GI	none	Score	95
Exons	2890..3384, 2893..3171, 3101..3220		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o2.tm	Method	TBLASTX:Maize
Start	3109	End	3433

GI	none	Score	109
Exons	3109..3231, 3109..3384, 3122..3235, 3268..3384, 3398..3433		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o2.tw	Method	TBLASTX:Wheat
Start	3181	End	3384
GI	none	Score	65
Exons	3181..3384, 3253..3372		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o1.tm	Method	TBLASTX:Maize
Start	3440	End	3887
GI	none	Score	157
Exons	3440..3880, 3440..3886, 3453..3887		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o1.tw	Method	TBLASTX:Wheat
Start	3473	End	4019
GI	none	Score	35
Exons	3473..3688, 3489..3524, 3582..3632, 3674..4018, 3675..4019		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o2.ts	Method	TBLASTX:Soybean
Start	3687	End	4282
GI	5509260	Score	90
Exons	3687..3860, 3689..4282		
GI Descrip.	-		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o1.tc	Method	TBLASTX:Cress
Start	3800	End	4052
GI	none	Score	61
Exons	3800..4051, 3822..3962, 3987..4052		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o5.tm	Method	TBLASTX:Maize
Start	3887	End	4139
GI	none	Score	187
Exons	3887..4138, 3888..4139, 3981..4139		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o4.tm	Method	TBLASTX:Maize
Start	4799	End	5224

GI	none	Score	95
Exons	4799..4879, 4876..4941, 4945..5031, 5020..5157, 5117..5224, 5119..5220		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o8.tm	Method	TBLASTX:Maize
Start	5324	End	5734
GI	none	Score	83
Exons	5324..5449, 5343..5450, 5453..5506, 5540..5599, 5583..5600, 5648..5734, 5657..5728		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o7.tm	Method	TBLASTX:Maize
Start	6608	End	7045
GI	none	Score	105
Exons	6608..6877, 6681..6860, 6923..6988, 7007..7045		

Seq. No.	40241	Seq. ID	OJ000119_18.0309.C31
Gene No.	83250	Strand	-
Start	2746	End	10507
Name	OJ000119_18.0309.C31.o3.gs	Method	GENSCAN
Start	7944	End	9754
GI	none	Score	.93
Exons	7944..8351, 9698..9754		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83251	Strand	+
Start	13124	End	27788
Name	OJ000119_18.0309.C32.o3.gs	Method	GENSCAN
Start	13124	End	27788
GI	none	Score	.56
Exons	13124..13168, 13479..13855, 17247..17342, 17691..17787, 17895..17939, 18079..18207, 18533..18656, 19997..22642, 23000..23281, 26161..26264, 26470..26542, 27592..27788		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83251	Strand	+
Start	13124	End	27788
Name	OJ000119_18.0309.C32.o1.np	Method	AAT/NAP
Start	20288	End	26612
GI	6522552	Score	781
Exons	20288..20880, 21684..22642, 26540..26612		
GI Descrip.	(AL132967) putative protein [Arabidopsis thaliana]		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83251	Strand	+
Start	13124	End	27788
Name	OJ000119_18.0309.C32.o3.gp	Method	AAT/GAP
Start	23511	End	23617
GI	427308	Score	171
Exons	23511..23617		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32

Gene No.	83252	Strand	+
Start	30070	End	31808
Name	OJ000119_18.0309.C32.o4.gs	Method	GENSCAN
Start	30070	End	31808
GI	none	Score	.62
Exons	30070..30279, 31650..31808		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83253	Strand	-
Start	5606	End	8982
Name	OJ000119_18.0309.C32.o1.gp	Method	AAT/GAP
Start	5606	End	6302
GI	6012799	Score	1276
Exons	5606..6302		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83253	Strand	-
Start	5606	End	8982
Name	OJ000119_18.0309.C32.o2.gs	Method	GENSCAN
Start	5988	End	8982
GI	none	Score	.5
Exons	5988..6115, 6226..6452, 8852..8982		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o1.tc	Method	TBLASTX:Cress
Start	20217	End	22296
GI	none	Score	116
Exons	20217..20474, 20218..20454, 20230..20361, 20329..20469, 20518..20637, 20524..20637, 20647..20784, 20860..21075, 20863..21072, 21088..21171, 21220..21336, 21460..21885, 21481..21699, 21667..21774, 21784..21861, 21805..21897, 21907..22083, 21997..22167, 22096..22206, 22210..22296		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o2.ts	Method	TBLASTX:Soybean
Start	20218	End	22086
GI	none	Score	88
Exons	20218..20397, 20518..20637, 20650..20718, 20650..20841, 20860..21024, 20944..21192, 21463..21633, 21553..21690, 21658..21894, 21946..22086		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o1.tw	Method	TBLASTX:Wheat
Start	20518	End	22224
GI	none	Score	90
Exons	20518..20637, 20860..21141, 21055..21192, 21220..21348, 21460..21705, 21610..21846, 21757..21903, 21925..22224, 21946..22224		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-

Start	30690	End	30969
Name	OJ000119_18.0309.C32.o2.tm	Method	TBLASTX:Maize
Start	20548	End	22128
GI	none	Score	60
Exons	20548..20637, 20689..20823, 20689..20826, 20863..21174, 20998..21195, 21193..21336, 21445..21699, 21694..21906, 21907..22128		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o1.ts	Method	TBLASTX:Soybean
Start	22099	End	22626
GI	none	Score	168
Exons	22099..22299, 22128..22274, 22324..22626, 22329..22565		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o1.tm	Method	TBLASTX:Maize
Start	22129	End	22578
GI	none	Score	137
Exons	22129..22299, 22137..22298, 22300..22578, 22419..22577		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o2.tc	Method	TBLASTX:Cress
Start	22324	End	22626
GI	none	Score	189
Exons	22324..22626		

Seq. No.	40242	Seq. ID	OJ000119_18.0309.C32
Gene No.	83254	Strand	-
Start	30690	End	30969
Name	OJ000119_18.0309.C32.o4.gp	Method	AAT/GAP
Start	30690	End	30969
GI	2798372	Score	519
Exons	30690..30969		

Seq. No.	40243	Seq. ID	OJ000119_18.0309.C36
Gene No.	83255	Strand	+
Start	23	End	336
Name	OJ000119_18.0309.C36.o1.np	Method	AAT/NAP
Start	23	End	336
GI	103076	Score	140
Exons	23..336		
GI Descrip.	Bkm-like sex-determining region hypothetical protein CS314 - fruit fly (Drosophila melanogaster) (fragment)		

Seq. No.	40243	Seq. ID	OJ000119_18.0309.C36
Gene No.	83255	Strand	+
Start	23	End	336
Name	OJ000119_18.0309.C36.o1.gp	Method	AAT/GAP
Start	87	End	333
GI	LIB3477-003-P1-K1-E9	Score	146
Exons	87..124, 236..333		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	40244	Seq. ID	OJ000209_10.0317.C4
Gene No.	83256	Strand	-
Start	248	End	326
Name	OJ000209_10.0317.C4.o1.gs	Method	GENSCAN
Start	248	End	326
GI	none	Score	.73
Exons	248..326		
Seq. No.	40245	Seq. ID	OJ000209_10.0317.C5
Gene No.	83257	Strand	-
Start	441	End	611
Name	OJ000209_10.0317.C5.o1.gs	Method	GENSCAN
Start	441	End	611
GI	none	Score	.82
Exons	441..611		
Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.gp	Method	AAT/GAP
Start	1	End	592
GI	LIB3477-003-P1-K1-C7	Score	905
Exons	1..184, 283..592		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.gs	Method	GENSCAN
Start	74	End	4630
GI	none	Score	.96
Exons	74..184, 283..2224, 4185..4630		
Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.np	Method	AAT/NAP
Start	77	End	4615
GI	3914365	Score	3013
Exons	77..184, 283..2224, 4185..4615		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		
Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	83	End	4594
GI	none	Score	113
Exons	83..187, 97..192, 288..542, 289..594, 649..1056, 702..1031,		

1008..1235, 1057..1236, 1201..1569, 1323..1373, 1419..1556,
1575..1805, 1576..1824, 1825..2223, 1837..2223, 1860..2231,
1934..2224, 4157..4291, 4183..4290, 4187..4291, 4304..4363,
4309..4386, 4363..4587, 4364..4594

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	289	End	1296
GI	none	Score	375
Exons	289..648, 702..1058, 703..1056, 1008..1166, 1057..1236, 1201..1296, 1239..1277		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	294	End	4594
GI	none	Score	344
Exons	294..524, 295..648, 702..1058, 703..1056, 1008..1166, 1057..1311, 1206..1277, 1311..1517, 1312..1569, 1575..1805, 1576..1824, 1825..2223, 1837..2220, 1851..2231, 1935..2225, 4157..4294, 4183..4284, 4184..4291, 4304..4363, 4309..4368, 4363..4584, 4376..4594		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o2.tw	Method	TBLASTX:Wheat
Start	594	End	1020
GI	none	Score	74
Exons	594..641, 595..648, 700..747, 702..770, 702..1019, 703..1020		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o3.ts	Method	TBLASTX:Soybean
Start	1296	End	1508
GI	none	Score	335
Exons	1296..1376, 1297..1506, 1422..1508		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	1575	End	4594
GI	none	Score	322
Exons	1575..1805, 1576..1827, 1825..2223, 1837..2148, 1851..2231, 2176..2235, 4157..4291, 4173..4268, 4183..4272, 4184..4291, 4304..4363, 4304..4357, 4309..4368, 4363..4584, 4364..4594		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o3.tw	Method	TBLASTX:Wheat
Start	1726	End	1961

GI	none	Score	147
Exons	1726..1824, 1731..1805, 1825..1956, 1837..1953, 1863..1961		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o4.tw	Method	TBLASTX:Wheat
Start	1962	End	2145
GI	none	Score	200
Exons	1962..2135, 1963..2136, 1975..2145, 1976..2137		

Seq. No.	40246	Seq. ID	OJ000209_10.0317.C6
Gene No.	83258	Strand	+
Start	1	End	4630
Name	OJ000209_10.0317.C6.o1.tw	Method	TBLASTX:Wheat
Start	2146	End	4594
GI	none	Score	96
Exons	2146..2223, 2153..2275, 2164..2223, 4157..4363, 4173..4376, 4183..4383, 4191..4385, 4363..4584, 4364..4594		

Seq. No.	40247	Seq. ID	OJ000209_10.0317.C8
Gene No.	83259	Strand	-
Start	505	End	1843
Name	OJ000209_10.0317.C8.o1.gs	Method	GENSCAN
Start	505	End	1843
GI	none	Score	.69
Exons	505..522, 1750..1843		

Seq. No.	40247	Seq. ID	OJ000209_10.0317.C8
Gene No.	83259	Strand	-
Start	505	End	1843
Name	OJ000209_10.0317.C8.o1.gp	Method	AAT/GAP
Start	586	End	656
GI	2312838	Score	76
Exons	586..656		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	40248	Seq. ID	OJ000209_10.0317.C9
Gene No.	83260	Strand	+
Start	2693	End	3244
Name	OJ000209_10.0317.C9.o1.gs	Method	GENSCAN
Start	2693	End	3202
GI	none	Score	.51
Exons	2693..2775, 3008..3202		

Seq. No.	40248	Seq. ID	OJ000209_10.0317.C9
Gene No.	83260	Strand	+
Start	2693	End	3244
Name	OJ000209_10.0317.C9.o1.np	Method	AAT/NAP
Start	2696	End	3244
GI	5103834	Score	284
Exons	2696..2775, 3008..3244		
GI Descrip.	(AC007591) Similar to gb|AB008104 ethylene responsive element binding factor 2 from Arabidopsis thaliana and contains an PF|00847 AP2 domain. EST gb|AA728476 comes from this gene.		

Seq. No.	40249	Seq. ID	OJ000209_10.0317.C10
Gene No.	83261	Strand	+
Start	24	End	2882
Name	OJ000209_10.0317.C10.o1.gp	Method	AAT/GAP
Start	24	End	432
GI	3769248	Score	756
Exons	24..432		

Seq. No.	40249	Seq. ID	OJ000209_10.0317.C10
Gene No.	83261	Strand	+
Start	24	End	2882
Name	OJ000209_10.0317.C10.o1.gs	Method	GENSCAN
Start	31	End	2882
GI	none	Score	.49
Exons	31..107, 467..513, 2728..2882		

Seq. No.	40250	Seq. ID	OJ000209_10.0317.C11
Gene No.	83262	Strand	+
Start	3211	End	3332
Name	OJ000209_10.0317.C11.o1.np	Method	AAT/NAP
Start	3211	End	3332
GI	7340868	Score	90
Exons	3211..3332		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	40251	Seq. ID	OJ000209_10.0317.C12
Gene No.	83263	Strand	+
Start	2746	End	2835
Name	OJ000209_10.0317.C12.o1.gp	Method	AAT/GAP
Start	2746	End	2835
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	2746..2835		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40252	Seq. ID	OJ000209_10.0317.C13
Gene No.	83264	Strand	+
Start	75	End	235
Name	OJ000209_10.0317.C13.o1.gs	Method	GENSCAN
Start	75	End	235
GI	none	Score	.68
Exons	75..153, 186..235		

Seq. No.	40253	Seq. ID	OJ000209_10.0317.C14
Gene No.	83265	Strand	+
Start	1957	End	2382
Name	OJ000209_10.0317.C14.o2.gs	Method	GENSCAN
Start	1957	End	2382
GI	none	Score	1
Exons	1957..2382		

Seq. No.	40253	Seq. ID	OJ000209_10.0317.C14
Gene No.	83266	Strand	-
Start	1861	End	2515
Name	OJ000209_10.0317.C14.o1.np	Method	AAT/NAP
Start	1861	End	2515

GI	7441828	Score	136
Exons	1861..2515		
GI Descrip.	extensin-like cell wall protein - sea-island cotton gi|451544|gb|AAA79364.1| (U04267) proline-rich cell wall protein [Gossypium barbadense]		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83267	Strand	+
Start	144	End	4320
Name	OJ000209_10.0317.C15.o1.gp	Method	AAT/GAP
Start	144	End	598
GI	43448_1.R1084	Score	830
Exons	144..598		
GI Descrip.	'2760832/gb|AAB95300.1| 3.0e-12 (AC003105) similar to barley ids-4 gene product [Arabidopsis thaliana]'		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83267	Strand	+
Start	144	End	4320
Name	OJ000209_10.0317.C15.o1.gs	Method	GENSCAN
Start	290	End	4320
GI	none	Score	.88
Exons	290..586, 646..820, 1510..1535, 3013..3058, 3863..4320		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83267	Strand	+
Start	144	End	4320
Name	OJ000209_10.0317.C15.o1.np	Method	AAT/NAP
Start	290	End	4317
GI	2760832	Score	743
Exons	290..586, 688..820, 3863..4317		
GI Descrip.	(AC003105) unknown protein [Arabidopsis thaliana]		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83268	Strand	+
Start	4222	End	4686
Name	OJ000209_10.0317.C15.o2.gp	Method	AAT/GAP
Start	4222	End	4686
GI	4715604	Score	890
Exons	4222..4686		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83269	Strand	+
Start	5588	End	5767
Name	OJ000209_10.0317.C15.o1.tc	Method	TBLASTX:Cress
Start	289	End	4026
GI	none	Score	157
Exons	289..360, 290..394, 290..373, 502..567, 503..568, 733..822, 768..824, 3844..4002, 3858..3974, 3964..4026		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83269	Strand	+
Start	5588	End	5767
Name	OJ000209_10.0317.C15.o2.ts	Method	TBLASTX:Soybean
Start	289	End	714
GI	none	Score	166
Exons	289..360, 290..433, 290..373, 503..586, 517..576, 529..588,		

685..714, 687..713

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83269	Strand	+
Start	5588	End	5767
Name	OJ000209_10.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	529	End	4554
GI	none	Score	98
Exons	529..615, 530..586, 685..822, 687..824, 3844..4275, 3858..4256, 4076..4258, 4263..4322, 4264..4320, 4363..4386, 4373..4420, 4396..4473, 4407..4472, 4418..4474, 4419..4478, 4476..4553, 4482..4553, 4501..4554		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83269	Strand	+
Start	5588	End	5767
Name	OJ000209_10.0317.C15.o1.ts	Method	TBLASTX:Soybean
Start	760	End	4245
GI	none	Score	107
Exons	760..822, 3850..4044, 3858..4001, 3859..4011, 4122..4244, 4123..4245		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83269	Strand	+
Start	5588	End	5767
Name	OJ000209_10.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	778	End	4240
GI	none	Score	76
Exons	778..822, 778..819, 779..820, 3844..4239, 3858..4019, 3868..4239, 3872..4240		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83269	Strand	+
Start	5588	End	5767
Name	OJ000209_10.0317.C15.o3.gp	Method	AAT/GAP
Start	5588	End	5767
GI	none	Score	317
Exons	5588..5767		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83270	Strand	
Start	5733	End	5996
Name	OJ000209_10.0317.C15.o3.tm	Method	TBLASTX:Maize
Start	5733	End	5996
GI	none	Score	209
Exons	5733..5996, 5760..5996		

Seq. No.	40254	Seq. ID	OJ000209_10.0317.C15
Gene No.	83271	Strand	
Start	6006	End	6238
Name	OJ000209_10.0317.C15.o2.tm	Method	TBLASTX:Maize
Start	6006	End	6238
GI	none	Score	85
Exons	6006..6074, 6023..6073, 6050..6103, 6080..6238, 6081..6233		

Seq. No.	40255	Seq. ID	OJ000209_10.0317.C17
Gene No.	83272	Strand	+

Start	1227	End	2707
Name	OJ000209_10.0317.C17.o1.gp	Method	AAT/GAP
Start	1227	End	1696
GI	none	Score	885
Exons	1227..1696		

Seq. No.	40255	Seq. ID	OJ000209_10.0317.C17
Gene No.	83272	Strand	+
Start	1227	End	2707
Name	OJ000209_10.0317.C17.o1.np	Method	AAT/NAP
Start	1254	End	2707
GI	6553934	Score	78
Exons	1254..1465, 2665..2707		
GI Descrip.	(AC011915) unknown protein [Arabidopsis thaliana]		

Seq. No.	40255	Seq. ID	OJ000209_10.0317.C17
Gene No.	83273	Strand	-
Start	1231	End	2250
Name	OJ000209_10.0317.C17.o1.gs	Method	GENSCAN
Start	1231	End	1953
GI	none	Score	.47
Exons	1231..1953		

Seq. No.	40255	Seq. ID	OJ000209_10.0317.C17
Gene No.	83273	Strand	-
Start	1231	End	2250
Name	OJ000209_10.0317.C17.o2.gp	Method	AAT/GAP
Start	1769	End	2250
GI	none	Score	915
Exons	1769..2250		

Seq. No.	40255	Seq. ID	OJ000209_10.0317.C17
Gene No.	83274	Strand	-
Start	3512	End	3616
Name	OJ000209_10.0317.C17.o2.np	Method	AAT/NAP
Start	3512	End	3616
GI	6691203	Score	78
Exons	3512..3616		
GI Descrip.	(AC007508) F1K23.7 [Arabidopsis thaliana]		

Seq. No.	40256	Seq. ID	OJ000209_10.0317.C18
Gene No.	83275	Strand	+
Start	67	End	1948
Name	OJ000209_10.0317.C18.o1.gs	Method	GENSCAN
Start	67	End	1948
GI	none	Score	.7
Exons	67..73, 283..423, 1872..1948		

Seq. No.	40256	Seq. ID	OJ000209_10.0317.C18
Gene No.	83276	Strand	+
Start	2917	End	4032
Name	OJ000209_10.0317.C18.o1.np	Method	AAT/NAP
Start	2917	End	4002
GI	4530591	Score	205
Exons	2917..3074, 3742..4002		
GI Descrip.	(AF132475) heme oxygenase 1 [Arabidopsis thaliana] gi|4530593|gb|AAD22108.1| (AF132476) heme oxygenase 1		

[Arabidopsis thaliana] gi|4877362|dbj|BAA77758.1| (AB021857) plastid heme oxygenase [Arabidopsis thaliana] gi|4877397|dbj|BAA77759.1| (AB021858) plastid heme oxygenase [Arabidopsis thaliana] gi|4883666|gb|AAB95301.2| (AC003105) heme oxygenase 1 (HO1) [Arabidopsis thal

Seq. No.	40256	Seq. ID	OJ000209_10.0317.C18
Gene No.	83276	Strand	+
Start	2917	End	4032
Name	OJ000209_10.0317.C18.o1.gp	Method	AAT/GAP
Start	3266	End	4008
GI	4144_1.R1084	Score	1398
Exons	3266..4008		
GI Descrip.	'4530591/gb|AAD22107.1| 1.0e-90 (AF132475) heme oxygenase 1 [Arabidopsis thaliana] >gi_4530593_gb_AAD22108.1_ (AF132476) heme oxygenase 1 [Arabidopsis thaliana] >gi_4877362_dbj_BAA77758.1_ (AB021857) plastid heme oxygenase [Arabidopsis thaliana] >gi_4877397_dbj_BAA77759.1_ (AB021858) plastid heme oxygenase [Arabidopsis thaliana] >gi_4883666_gb_AAB95301.2_ (AC003105) heme oxygenase 1 ('		

Seq. No.	40256	Seq. ID	OJ000209_10.0317.C18
Gene No.	83276	Strand	+
Start	2917	End	4032
Name	OJ000209_10.0317.C18.o2.gs	Method	GENSCAN
Start	3560	End	4012
GI	none	Score	.86
Exons	3560..4012		

Seq. No.	40256	Seq. ID	OJ000209_10.0317.C18
Gene No.	83276	Strand	+
Start	2917	End	4032
Name	OJ000209_10.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	3803	End	4032
GI	none	Score	325
Exons	3803..4003, 3805..4032		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83277	Strand	+
Start	1	End	3537
Name	OJ000209_10.0317.C19.o1.np	Method	AAT/NAP
Start	1	End	2207
GI	4530591	Score	518
Exons	1..117, 1134..1357, 1896..2003, 2118..2207		
GI Descrip.	(AF132475) heme oxygenase 1 [Arabidopsis thaliana] gi|4530593|gb|AAD22108.1| (AF132476) heme oxygenase 1 [Arabidopsis thaliana] gi|4877362|dbj|BAA77758.1| (AB021857) plastid heme oxygenase [Arabidopsis thaliana] gi|4877397|dbj|BAA77759.1| (AB021858) plastid heme oxygenase [Arabidopsis thaliana] gi|4883666|gb|AAB95301.2| (AC003105) heme oxygenase 1 (HO1) [Arabidopsis thal		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83277	Strand	+
Start	1	End	3537
Name	OJ000209_10.0317.C19.o1.gp	Method	AAT/GAP
Start	1134	End	2368

GI	4144_1.R1084	Score	1085
Exons	1134..1357, 1896..2003, 2118..2368		
GI Descrip.	'4530591/gb|AAD22107.1| 1.0e-90 (AF132475) heme oxygenase 1 [Arabidopsis thaliana] >gi_4530593_gb_AAD22108.1_ (AF132476) heme oxygenase 1 [Arabidopsis thaliana] >gi_4877362_dbj_BAA77758.1_ (AB021857) plastid heme oxygenase [Arabidopsis thaliana] >gi_4877397_dbj_BAA77759.1_ (AB021858) plastid heme oxygenase [Arabidopsis thaliana] >gi_4883666_gb_AAB95301.2_ (AC003105) heme oxygenase 1 ('		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83277	Strand	+
Start	1	End	3537
Name	OJ000209_10.0317.C19.o1.gs	Method	GENSCAN
Start	1134	End	3537
GI	none	Score	.63
Exons	1134..1357, 1896..2003, 3074..3220, 3376..3537		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83278	Strand	+
Start	4987	End	5521
Name	OJ000209_10.0317.C19.o1.tm	Method	TBLASTX:Maize
Start	1117	End	2003
GI	none	Score	390
Exons	1117..1359, 1121..1360, 1125..1361, 1894..2001, 1895..2002, 1896..2003		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83278	Strand	+
Start	4987	End	5521
Name	OJ000209_10.0317.C19.o1.ts	Method	TBLASTX:Soybean
Start	1119	End	2210
GI	none	Score	125
Exons	1119..1358, 1128..1358, 1135..1365, 1136..1360, 1893..1997, 1895..1999, 1896..2000, 2115..2210		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83278	Strand	+
Start	4987	End	5521
Name	OJ000209_10.0317.C19.o1.tw	Method	TBLASTX:Wheat
Start	1134	End	2147
GI	none	Score	274
Exons	1134..1358, 1135..1365, 1136..1360, 1895..2002, 1896..2003, 2118..2147		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83278	Strand	+
Start	4987	End	5521
Name	OJ000209_10.0317.C19.o1.tc	Method	TBLASTX:Cress
Start	1135	End	2210
GI	none	Score	336
Exons	1135..1248, 1136..1360, 1196..1360, 1288..1383, 1895..2005, 1896..2000, 2115..2210		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83278	Strand	+
Start	4987	End	5521

Name	OJ000209_10.0317.C19.o2.gs	Method	GENSCAN
Start	4987	End	5521
GI	none	Score	.49
Exons	4987..5409, 5440..5521		

Seq. No.	40257	Seq. ID	OJ000209_10.0317.C19
Gene No.	83278	Strand	+
Start	4987	End	5521
Name	OJ000209_10.0317.C19.o2.tm	Method	TBLASTX:Maize
Start	5191	End	5379
GI	none	Score	250
Exons	5191..5379, 5191..5229, 5214..5378, 5296..5379		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83279	Strand	+
Start	1	End	2141
Name	OJ000209_10.0317.C20.o1.np	Method	AAT/NAP
Start	1	End	2141
GI	6714428	Score	383
Exons	1..42, 1261..1343, 1766..2141		
GI Descrip.	(AC012328) putative NADP-dependent oxidoreductase [Arabidopsis thaliana]		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83279	Strand	+
Start	1	End	2141
Name	OJ000209_10.0317.C20.o1.gs	Method	GENSCAN
Start	1206	End	2138
GI	none	Score	.95
Exons	1206..1343, 1766..2138		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o2.tm	Method	TBLASTX:Maize
Start	1248	End	2135
GI	none	Score	110
Exons	1248..1337, 1249..1344, 1749..1886, 1769..1894, 1890..2135, 2040..2126		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o2.ts	Method	TBLASTX:Soybean
Start	1248	End	2149
GI	none	Score	114
Exons	1248..1343, 1249..1344, 1758..2141, 1763..1972, 2024..2149		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o1.tc	Method	TBLASTX:Cress
Start	1249	End	2143
GI	none	Score	117
Exons	1249..1344, 1260..1343, 1757..2143, 1758..2141		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20

Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o1.gp	Method	AAT/GAP
Start	2760	End	4919
GI	16693_1.R1084	Score	1872
Exons	2760..3722, 4886..4919		
GI Descrip.	'2809251 2.0e-51 (AC002560) F21B7.20 [Arabidopsis thaliana]'		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o1.tm	Method	TBLASTX:Maize
Start	2953	End	3707
GI	none	Score	104
Exons	2953..3030, 2954..3031, 2961..3032, 3205..3342, 3209..3316, 3325..3705, 3326..3694, 3339..3707		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o1.ts	Method	TBLASTX:Soybean
Start	3178	End	5847
GI	none	Score	52
Exons	3178..3297, 3209..3316, 3358..3723, 3358..3723, 3362..3724, 3425..3724, 4872..5000, 4885..4992, 5075..5170, 5078..5170, 5769..5846, 5770..5847		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o2.gs	Method	GENSCAN
Start	3208	End	5771
GI	none	Score	.52
Exons	3208..3611, 4886..5001, 5079..5154, 5768..5771		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o2.np	Method	AAT/NAP
Start	3211	End	5866
GI	7486258	Score	743
Exons	3211..3697, 4882..5001, 5079..5154, 5768..5866		
GI Descrip.	hypothetical protein F27G19.80 - Arabidopsis thaliana gi|4972073|emb|CAB43880.1| (AL078467) putative protein [Arabidopsis thaliana] gi|7269602|emb|CAB81398.1| (AL161571) putative protein [Arabidopsis thaliana]		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o2.tc	Method	TBLASTX:Cress
Start	3379	End	3643
GI	none	Score	198
Exons	3379..3642, 3389..3643		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-

Start	3208	End	5866
Name	OJ000209_10.0317.C20.o1.tw	Method	TBLASTX:Wheat
Start	3583	End	5813
GI	none	Score	115
Exons	3583..3726, 3584..3724, 4872..5000, 4885..4998, 5075..5173, 5078..5155, 5769..5813		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o3.tm	Method	TBLASTX:Maize
Start	4872	End	5865
GI	none	Score	113
Exons	4872..4967, 4885..4956, 4888..4971, 4905..5000, 4906..5001, 5067..5156, 5068..5154, 5076..5159, 5078..5170, 5769..5846, 5770..5865		

Seq. No.	40258	Seq. ID	OJ000209_10.0317.C20
Gene No.	83280	Strand	-
Start	3208	End	5866
Name	OJ000209_10.0317.C20.o3.tc	Method	TBLASTX:Cress
Start	4875	End	5846
GI	none	Score	59
Exons	4875..4997, 4885..4989, 5078..5191, 5079..5210, 5769..5846		

Seq. No.	40259	Seq. ID	OJ000209_10.0317.C21
Gene No.	83281	Strand	-
Start	1	End	580
Name	OJ000209_10.0317.C21.o1.np	Method	AAT/NAP
Start	1	End	532
GI	6997181	Score	307
Exons	1..532		
GI Descrip.	(AC023839) unknown protein [Arabidopsis thaliana]		

Seq. No.	40259	Seq. ID	OJ000209_10.0317.C21
Gene No.	83281	Strand	-
Start	1	End	580
Name	OJ000209_10.0317.C21.o1.gs	Method	GENSCAN
Start	7	End	580
GI	none	Score	1
Exons	7..580		

Seq. No.	40259	Seq. ID	OJ000209_10.0317.C21
Gene No.	83281	Strand	-
Start	1	End	580
Name	OJ000209_10.0317.C21.o1.tm	Method	TBLASTX:Maize
Start	11	End	407
GI	none	Score	83
Exons	11..298, 14..142, 198..299, 348..407		

Seq. No.	40259	Seq. ID	OJ000209_10.0317.C21
Gene No.	83281	Strand	-
Start	1	End	580
Name	OJ000209_10.0317.C21.o1.ts	Method	TBLASTX:Soybean
Start	11	End	296
GI	none	Score	54
Exons	11..295, 42..71, 195..296		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83282	Strand	+
Start	1260	End	1452
Name	OJ000209_10.0317.C22.o1.gs	Method	GENSCAN
Start	1260	End	1452
GI	none	Score	.82
Exons	1260..1361, 1420..1452		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83283	Strand	+
Start	13565	End	16064
Name	OJ000209_10.0317.C22.o1.gp	Method	AAT/GAP
Start	13554	End	14083
GI	28381_1.R1084	Score	1016
Exons	13554..14083		
GI Descrip.	'4138581/emb|CAA67107| 8.0e-14 (X98474) mitochondrial energy transfer protein [Solanum tuberosum]'		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83283	Strand	+
Start	13565	End	16064
Name	OJ000209_10.0317.C22.o4.gs	Method	GENSCAN
Start	13565	End	15919
GI	none	Score	.63
Exons	13565..14185, 15207..15368, 15443..15919		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83283	Strand	+
Start	13565	End	16064
Name	OJ000209_10.0317.C22.o1.np	Method	AAT/NAP
Start	13659	End	15913
GI	4138581	Score	1138
Exons	13659..14185, 15207..15368, 15443..15913		
GI Descrip.	(X98474) mitochondrial energy transfer protein [Solanum tuberosum]		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83283	Strand	+
Start	13565	End	16064
Name	OJ000209_10.0317.C22.o2.gp	Method	AAT/GAP
Start	15659	End	16064
GI	LIB3475-001-P1-K2-H4	Score	791
Exons	15659..16064		
GI Descrip.	'231654/sp|P29518|BT1_MAIZE 2.0e-36 BRITTLE-1 PROTEIN PRECURSOR >gi_82676_pir__JQ1459 Bt1 protein precursor - maize >gi_168426 (M79333) brittle-1 protein [Zea mays]'		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83284	Strand	-
Start	2811	End	8574
Name	OJ000209_10.0317.C22.o2.gs	Method	GENSCAN
Start	2811	End	8574
GI	none	Score	.6
Exons	2811..2979, 3138..3174, 3391..3476, 5202..5228, 6228..6303, 7637..7691, 8527..8574		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o1.tm	Method	TBLASTX:Maize
Start	13547	End	15928
GI	none	Score	109
Exons	13547..13633, 13552..13629, 13592..13633, 13637..13891, 13639..13860, 13646..13891, 13869..14078, 13874..14185, 13892..14188, 13918..14187, 13970..14074, 15200..15367, 15201..15368, 15422..15583, 15437..15922, 15442..15921, 15455..15592, 15695..15928, 15711..15923		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o1.tc	Method	TBLASTX:Cress
Start	13970	End	15913
GI	none	Score	74
Exons	13970..14068, 15282..15365, 15449..15595, 15620..15913, 15622..15888, 15698..15913		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o1.tw	Method	TBLASTX:Wheat
Start	13991	End	15910
GI	none	Score	62
Exons	13991..14074, 15443..15595, 15614..15910, 15616..15888, 15695..15910		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o1.ts	Method	TBLASTX:Soybean
Start	14086	End	15916
GI	none	Score	153
Exons	14086..14187, 14087..14188, 15201..15368, 15206..15361, 15443..15619, 15455..15499, 15479..15910, 15506..15580, 15529..15888, 15695..15916		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o3.gp	Method	AAT/GAP
Start	16588	End	18453
GI	14911_2.R1084	Score	1318
Exons	16588..16829, 16912..16976, 17074..17136, 17678..17726, 18140..18453		
GI Descrip.	'2342735 5.0e-41 (AC002341) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o5.gs	Method	GENSCAN
Start	16725	End	18256
GI	none	Score	.98

Exons	16725..16829, 16912..16976, 17074..17202, 17678..17726, 18140..18256		
Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o2.np	Method	AAT/NAP
Start	16737	End	18256
GI	2342735	Score	360
Exons	16737..16829, 16912..16976, 17074..17136, 17678..17726, 18140..18256		
GI Descrip.	(AC002341) unknown protein [Arabidopsis thaliana]		

Seq. No.	40260	Seq. ID	OJ000209_10.0317.C22
Gene No.	83285	Strand	-
Start	16588	End	18453
Name	OJ000209_10.0317.C22.o2.tm	Method	TBLASTX:Maize
Start	16764	End	18257
GI	none	Score	100
Exons	16764..16838, 16781..16831, 16892..16975, 16903..16986, 16909..16986, 17070..17138, 17072..17137, 17674..17727, 17679..17729, 18140..18214, 18141..18215, 18215..18256, 18219..18257		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83286	Strand	+
Start	4517	End	6015
Name	OJ000209_10.0317.C24.o2.np	Method	AAT/NAP
Start	4517	End	6015
GI	5852093	Score	60
Exons	4517..4542, 5897..6015		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83287	Strand	+
Start	8765	End	8986
Name	OJ000209_10.0317.C24.o2.gp	Method	AAT/GAP
Start	8765	End	8986
GI	uC-osflM202031c11a1	Score	281
Exons	8765..8986		
GI Descrip.	'1902900/dbj|AB001919|AB001919 4.0e-43 Oryza sativa DNA for phospholipase D, complete cds'		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83288	Strand	-
Start	703	End	4721
Name	OJ000209_10.0317.C24.o1.gp	Method	AAT/GAP
Start	703	End	1362
GI	LIB3477-010-P1-K1-E11	Score	902
Exons	703..945, 1024..1114, 1206..1362		
GI Descrip.	'2352427 2.0e-31 (AF004161) peroxisomal Ca-dependent solute carrier [Oryctolagus cuniculus]'		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83288	Strand	-
Start	703	End	4721
Name	OJ000209_10.0317.C24.o1.gs	Method	GENSCAN

Start	791	End	4721
GI	none	Score	.66
Exons	791..945, 1206..1991, 4244..4721		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83288	Strand	-
Start	703	End	4721
Name	OJ000209_10.0317.C24.o1.np	Method	AAT/NAP
Start	1005	End	2005
GI	6841066	Score	487
Exons	1005..1117, 1206..2005		
GI Descrip.	(AF123303) calcium-binding transporter [Homo sapiens]		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o3.tm	Method	TBLASTX:Maize
Start	605	End	1398
GI	none	Score	64
Exons	605..679, 629..718, 633..719, 634..720, 634..738, 738..947, 739..948, 739..945, 741..947, 774..878, 1023..1115, 1024..1116, 1177..1398, 1178..1396, 1207..1398, 1240..1344		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o5.ts	Method	TBLASTX:Soybean
Start	689	End	1353
GI	none	Score	44
Exons	689..721, 700..720, 733..912, 735..932, 752..919, 1023..1109, 1024..1116, 1036..1116, 1037..1123, 1240..1353		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o2.tm	Method	TBLASTX:Maize
Start	1399	End	4335
GI	none	Score	649
Exons	1399..1992, 1399..2007, 1781..1996, 4240..4314, 4240..4335		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o3.ts	Method	TBLASTX:Soybean
Start	1519	End	2007
GI	none	Score	124
Exons	1519..1713, 1528..2007, 1777..1983, 1781..1996		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o6.ts	Method	TBLASTX:Soybean
Start	4233	End	4478
GI	none	Score	112
Exons	4233..4478, 4237..4311		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24

Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o2.gs	Method	GENSCAN
Start	6285	End	11959
GI	none	Score	.72
Exons	6285..6367, 6685..6748, 9109..9425, 9809..11720, 11801..11959		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o1.tw	Method	TBLASTX:Wheat
Start	8970	End	9892
GI	none	Score	102
Exons	8970..9380, 8995..9426, 9004..9153, 9026..9427, 9030..9437, 9777..9887, 9786..9869, 9787..9891, 9788..9892, 9811..9891		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o1.tm	Method	TBLASTX:Maize
Start	8983	End	12113
GI	none	Score	46
Exons	8983..9018, 8995..9300, 9029..9301, 9310..9426, 9311..9427, 9777..10469, 9810..10460, 9838..10467, 10512..10817, 10513..10755, 10782..10961, 10783..10965, 10969..11340, 10977..11360, 11088..11360, 11409..11723, 11448..11522, 11479..11667, 11682..11735, 11849..11959, 11850..11960, 12027..12113		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o1.tc	Method	TBLASTX:Cress
Start	8995	End	11705
GI	none	Score	90
Exons	8995..9141, 8995..9300, 9102..9287, 9221..9301, 9316..9426, 9341..9427, 9777..10469, 9790..9972, 10027..10467, 10512..10706, 10513..10707, 10707..10961, 10741..11010, 10968..11345, 10969..11340, 11349..11705, 11479..11601		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o3.np	Method	AAT/NAP
Start	8995	End	11959
GI	3914365	Score	4211
Exons	8995..9425, 9809..11720, 11852..11959		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o2.ts	Method	TBLASTX:Soybean
Start	8995	End	10469

GI	none	Score	193
Exons	8995..9300, 9029..9301, 9310..9426, 9338..9427, 9777..10469, 9787..10464, 9897..10469		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o4.tw	Method	TBLASTX:Wheat
Start	9897	End	10071
GI	none	Score	101
Exons	9897..10067, 9898..10071		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o3.gp	Method	AAT/GAP
Start	10027	End	10353
GI	uC-osf1M202071g12b1	Score	630
Exons	10027..10353		
GI Descrip.	'3914365/sp|P93844|PLD2_ORYSA 2.0e-54 PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) >gi_1902901_dbj_BAA19466_ (AB001919) phospholipase D [Oryza sativa]'		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o3.tw	Method	TBLASTX:Wheat
Start	10072	End	10304
GI	none	Score	267
Exons	10072..10299, 10072..10296, 10077..10304		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o4.ts	Method	TBLASTX:Soybean
Start	10512	End	10722
GI	none	Score	221
Exons	10512..10721, 10513..10722		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o1.ts	Method	TBLASTX:Soybean
Start	10722	End	11959
GI	none	Score	127
Exons	10722..10817, 10782..10961, 10783..11010, 10977..11345, 10978..11316, 11349..11735, 11479..11598, 11897..11959		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o2.tw	Method	TBLASTX:Wheat
Start	10989	End	11408
GI	none	Score	559
Exons	10989..11405, 10990..11406, 11097..11408		

Seq. No.	40261	Seq. ID	OJ000209_10.0317.C24
Gene No.	83289	Strand	-
Start	6285	End	12113
Name	OJ000209_10.0317.C24.o5.tw	Method	TBLASTX:Wheat
Start	11652	End	11966
GI	none	Score	46
Exons	11652..11684, 11661..11693, 11679..11729, 11691..11720, 11852..11965, 11853..11966		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83290	Strand	+
Start	835	End	1277
Name	OJ000209_10.0317.C25.o1.gp	Method	AAT/GAP
Start	835	End	1277
GI	uC-osroM202010d01a1	Score	865
Exons	835..1277		
GI Descrip.	'4867803/emb|CAB43062.1| 4.0e-19 (AJ133000) phospholipase D2 [Craterostigma plantagineum]'		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83291	Strand	-
Start	1039	End	3763
Name	OJ000209_10.0317.C25.o1.gs	Method	GENSCAN
Start	1039	End	3763
GI	none	Score	.87
Exons	1039..1484, 1574..3065, 3080..3547, 3656..3763		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83291	Strand	-
Start	1039	End	3763
Name	OJ000209_10.0317.C25.o1.np	Method	AAT/NAP
Start	1042	End	3763
GI	3914365	Score	2924
Exons	1042..1484, 1574..3529, 3650..3763		
GI Descrip.	PHOSPHOLIPASE D 2 PRECURSOR (PLD 2) (CHOLINE PHOSPHATASE 2) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 2) gi|1902901|dbj|BAA19466| (AB001919) phospholipase D [Oryza sativa]		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o1.tc	Method	TBLASTX:Cress
Start	1081	End	3523
GI	none	Score	62
Exons	1081..1146, 1082..1147, 1147..1365, 1148..1366, 1375..1494, 1385..1486, 1560..1961, 1560..1970, 1777..1971, 1971..2198, 1993..2199, 2230..2301, 2247..2492, 2287..2493, 2493..2561, 2527..2562, 2565..2660, 2670..2744, 2763..2936, 2767..2937, 2938..3030, 2939..2995, 3024..3074, 3028..3072, 3095..3127, 3231..3482, 3260..3523		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o1.tw	Method	TBLASTX:Wheat

Start	1082	End	1656
GI	none	Score	71
Exons	1082..1147, 1084..1146, 1147..1494, 1148..1486, 1341..1487, 1560..1628, 1560..1652, 1588..1656		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o1.tm	Method	TBLASTX:Maize
Start	1084	End	3784
GI	none	Score	61
Exons	1084..1146, 1085..1147, 1144..1275, 1147..1365, 1148..1366, 1370..1486, 1378..1494, 1560..1961, 1560..1970, 1768..1971, 1971..2198, 1972..2199, 2218..2301, 2226..2309, 2287..2385, 2298..2558, 2370..2396, 2431..2481, 2577..2654, 2578..2619, 2670..2744, 2763..2936, 2791..2937, 2938..3030, 2939..2995, 3020..3082, 3024..3074, 3078..3128, 3095..3127, 3240..3482, 3260..3535, 3653..3784		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o1.ts	Method	TBLASTX:Soybean
Start	1084	End	2309
GI	none	Score	64
Exons	1084..1146, 1097..1147, 1147..1365, 1148..1366, 1378..1494, 1397..1486, 1560..1961, 1560..1967, 1768..1965, 1983..2198, 1993..2199, 2226..2309		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o4.tw	Method	TBLASTX:Wheat
Start	1662	End	1833
GI	none	Score	95
Exons	1662..1826, 1663..1833		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o3.tw	Method	TBLASTX:Wheat
Start	1837	End	2072
GI	none	Score	157
Exons	1837..1971, 1842..1970, 1971..2072, 1972..2067		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o3.ts	Method	TBLASTX:Soybean
Start	2310	End	2508
GI	none	Score	98
Exons	2310..2507, 2314..2382, 2428..2508		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o2.ts	Method	TBLASTX:Soybean

Start	2508	End	3763
GI	none	Score	99
Exons	2508..2564, 2577..2660, 2670..2744, 2763..2936, 2800..2937, 2938..3030, 2939..2995, 3024..3074, 3028..3072, 3078..3125, 3095..3127, 3188..3535, 3704..3763		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o2.tw	Method	TBLASTX:Wheat
Start	2799	End	3224
GI	none	Score	178
Exons	2799..2936, 2800..2937, 2938..3030, 2939..3031, 2998..3063, 3024..3074, 3025..3072, 3075..3110, 3078..3125, 3095..3127, 3188..3223, 3189..3224		

Seq. No.	40262	Seq. ID	OJ000209_10.0317.C25
Gene No.	83292	Strand	-
Start	4293	End	6972
Name	OJ000209_10.0317.C25.o2.gs	Method	GENSCAN
Start	4293	End	6972
GI	none	Score	.5
Exons	4293..4402, 4539..4668, 4699..4864, 5057..5100, 5476..5621, 6668..6972		

Seq. No.	40263	Seq. ID	OJ000209_10.0317.C29
Gene No.	83293	Strand	+
Start	274	End	897
Name	OJ000209_10.0317.C29.o1.np	Method	AAT/NAP
Start	274	End	897
GI	1346396	Score	331
Exons	274..897		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	40263	Seq. ID	OJ000209_10.0317.C29
Gene No.	83293	Strand	+
Start	274	End	897
Name	OJ000209_10.0317.C29.o1.gp	Method	AAT/GAP
Start	281	End	554
GI	uC-osflcyp049h12b1	Score	516
Exons	281..554		
GI Descrip.	'1346396/sp|P17801|KPRO_MAIZE 8.0e-10 PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR >gi_100913_pir__S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize >gi_22432_emb_CAA36611_ (X52384) precursor protein (AA -26 to 791) [Zea mays] >gi_22436_emb_CAA47962_ (X67733) receptor-like protein kinase [Zea mays] >gi_226927_prf__1611404A receptor protein kinase [Zea ma'		

Seq. No.	40263	Seq. ID	OJ000209_10.0317.C29
Gene No.	83293	Strand	+

Start	274	End	897
Name	OJ000209_10.0317.C29.o1.gs	Method	GENSCAN
Start	345	End	693
GI	none	Score	.49
Exons	345..693		

Seq. No.	40264	Seq. ID	OJ000209_10.0317.C35
Gene No.	83294	Strand	-
Start	1	End	704
Name	OJ000209_10.0317.C35.o1.gp	Method	AAT/GAP
Start	1	End	704
GI	6055_1.R1084	Score	694
Exons	1..33, 224..469, 617..704		
GI Descrip.	'4966352/gb|AAD34683.1|AC006341_11 7.0e-58 (AC006341) >F3O9.11 [Arabidopsis thaliana]'		

Seq. No.	40264	Seq. ID	OJ000209_10.0317.C35
Gene No.	83294	Strand	-
Start	1	End	704
Name	OJ000209_10.0317.C35.o1.np	Method	AAT/NAP
Start	1	End	704
GI	4835757	Score	373
Exons	1..33, 224..469, 617..704		
GI Descrip.	(AC007202) EST gb|AA404917 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	40264	Seq. ID	OJ000209_10.0317.C35
Gene No.	83294	Strand	-
Start	1	End	704
Name	OJ000209_10.0317.C35.o1.ts	Method	TBLASTX:Soybean
Start	219	End	469
GI	none	Score	154
Exons	219..452, 219..431, 224..469		

Seq. No.	40264	Seq. ID	OJ000209_10.0317.C35
Gene No.	83294	Strand	-
Start	1	End	704
Name	OJ000209_10.0317.C35.o1.gs	Method	GENSCAN
Start	224	End	667
GI	none	Score	.81
Exons	224..469, 617..667		

Seq. No.	40265	Seq. ID	OJ000209_10.0317.C49
Gene No.	83295	Strand	-
Start	1	End	105
Name	OJ000209_10.0317.C49.o1.gp	Method	AAT/GAP
Start	1	End	105
GI	5771216	Score	149
Exons	1..105		
GI Descrip.	1888550/gb|U89895|OSU89895 4.0e-36 Oryza sativa pathogenesis-related protein class 1 (PR-1) gene, complete cds		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83296	Strand	+
Start	1338	End	2079
Name	OJ000209_13.0316.C1.o1.gs	Method	GENSCAN
Start	1338	End	2079

GI	none	Score	.62
Exons	1338..2079		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83296	Strand	+
Start	1338	End	2079
Name	OJ000209_13.0316.C1.o1.np	Method	AAT/NAP
Start	1615	End	2073
GI	4959710	Score	357
Exons	1615..2073		
GI Descrip.	(AF135596) Skp1 [Medicago sativa]		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83297	Strand	+
Start	3917	End	3997
Name	OJ000209_13.0316.C1.o1.tw	Method	TBLASTX:Wheat
Start	458	End	2019
GI	none	Score	56
Exons	458..568, 1855..1950, 1867..2019, 1896..1991		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83297	Strand	+
Start	3917	End	3997
Name	OJ000209_13.0316.C1.o1.tm	Method	TBLASTX:Maize
Start	1612	End	2073
GI	none	Score	68
Exons	1612..1710, 1735..1800, 1867..2073, 1896..2072		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83297	Strand	+
Start	3917	End	3997
Name	OJ000209_13.0316.C1.o1.tc	Method	TBLASTX:Cress
Start	1618	End	2073
GI	none	Score	59
Exons	1618..1710, 1735..1800, 1867..2073, 1896..1991		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83297	Strand	+
Start	3917	End	3997
Name	OJ000209_13.0316.C1.o1.ts	Method	TBLASTX:Soybean
Start	1621	End	2073
GI	none	Score	43
Exons	1621..1680, 1735..1800, 1867..2073, 1896..2072		

Seq. No.	40266	Seq. ID	OJ000209_13.0316.C1
Gene No.	83297	Strand	+
Start	3917	End	3997
Name	OJ000209_13.0316.C1.o2.gs	Method	GENSCAN
Start	3917	End	3997
GI	none	Score	.53
Exons	3917..3997		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83298	Strand	+
Start	1	End	6527
Name	OJ000209_13.0316.C2.o1.np	Method	AAT/NAP
Start	1	End	443

GI	3551838	Score	232
Exons	1..443		
GI Descrip.	(AF070967) SKP1-like protein [Nicotiana clevelandii]		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83298	Strand	+
Start	1	End	6527
Name	OJ000209_13.0316.C2.o2.np	Method	AAT/NAP
Start	1	End	6527
GI	6069646	Score	977
Exons	1..23, 4434..5256, 5539..6527		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83298	Strand	+
Start	1	End	6527
Name	OJ000209_13.0316.C2.o1.gs	Method	GENSCAN
Start	51	End	452
GI	none	Score	.99
Exons	51..452		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83299	Strand	+
Start	10389	End	11054
Name	OJ000209_13.0316.C2.o3.gs	Method	GENSCAN
Start	10389	End	11054
GI	none	Score	.97
Exons	10389..11054		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o4.gs	Method	GENSCAN
Start	12614	End	13892
GI	none	Score	.51
Exons	12614..12781, 13027..13130, 13769..13892		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o2.gp	Method	AAT/GAP
Start	12816	End	12925
GI	uC-osf1cyp082b07a1	Score	158
Exons	12816..12925		
GI Descrip.	'218221/dbj|D10675|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o3.np	Method	AAT/NAP
Start	13271	End	16494
GI	4699927	Score	45

Exons	13271..13350, 14426..14657, 16468..16494		
GI Descrip.	(AC007125) putative transposon protein [Arabidopsis thaliana] gi|7267448|emb|CAB81145.1| (AL161509) putative transposon protein [Arabidopsis thaliana]		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o5.gs	Method	GENSCAN
Start	14425	End	15182
GI	none	Score	.97
Exons	14425..15020, 15104..15182		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o4.np	Method	AAT/NAP
Start	14643	End	17850
GI	7378764	Score	229
Exons	14643..14922, 17579..17850		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o3.gp	Method	AAT/GAP
Start	17109	End	17433
GI	2428772	Score	602
Exons	17109..17433		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o4.gp	Method	AAT/GAP
Start	17252	End	17697
GI	none	Score	750
Exons	17252..17697		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o5.np	Method	AAT/NAP
Start	17350	End	17850
GI	7488906	Score	160
Exons	17350..17426, 17593..17850		
GI Descrip.	fimbriata-associated protein - sweet orange (fragment) gi|2759997|emb|CAA05891.1| (AJ003134) fimbriata-associated protein [Citrus sinensis]		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83300	Strand	+
Start	12614	End	17856
Name	OJ000209_13.0316.C2.o6.gs	Method	GENSCAN
Start	17362	End	17856
GI	none	Score	.55
Exons	17362..17856		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o1.tc	Method	TBLASTX:Cress
Start	2	End	17850
GI	none	Score	106
Exons	2..154, 3..155, 210..374, 10677..10865, 10689..10823, 14677..14772, 14788..14859, 17464..17598, 17467..17562, 17481..17573, 17749..17850		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	17574
GI	none	Score	117
Exons	3..161, 147..221, 240..362, 10683..10859, 10686..10823, 10851..10925, 14677..14772, 14680..14766, 14788..14874, 14851..14925, 17464..17574, 17467..17574		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o6.tm	Method	TBLASTX:Maize
Start	3	End	17850
GI	none	Score	117
Exons	3..161, 3..119, 147..221, 240..374, 10683..10859, 10686..10823, 10851..10925, 14677..14772, 14680..14766, 14788..14874, 14851..14925, 17464..17574, 17467..17574, 17749..17850		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o8.tm	Method	TBLASTX:Maize
Start	3376	End	3621
GI	none	Score	133
Exons	3376..3513, 3517..3621		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o4.tm	Method	TBLASTX:Maize
Start	3835	End	4266
GI	none	Score	297
Exons	3835..4266		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o1.tm	Method	TBLASTX:Maize
Start	4423	End	4859
GI	none	Score	434
Exons	4423..4803, 4449..4799, 4809..4859		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759

Name	OJ000209_13.0316.C2.o3.tm	Method	TBLASTX:Maize
Start	4862	End	5471
GI	none	Score	229
Exons	4862..5233, 5235..5471		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o1.tw	Method	TBLASTX:Wheat
Start	5114	End	5552
GI	none	Score	100
Exons	5114..5233, 5235..5408, 5394..5552		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o5.tm	Method	TBLASTX:Maize
Start	5483	End	5708
GI	none	Score	227
Exons	5483..5707, 5484..5708		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o2.tm	Method	TBLASTX:Maize
Start	6045	End	12568
GI	none	Score	316
Exons	6045..6320, 6045..6320, 6047..6325, 12491..12568		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o2.tw	Method	TBLASTX:Wheat
Start	6054	End	6401
GI	none	Score	162
Exons	6054..6239, 6354..6401		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o7.tm	Method	TBLASTX:Maize
Start	7611	End	7864
GI	none	Score	132
Exons	7611..7727, 7612..7713, 7631..7729, 7719..7742, 7742..7801, 7743..7784, 7785..7835, 7794..7862, 7820..7864		

Seq. No.	40267	Seq. ID	OJ000209_13.0316.C2
Gene No.	83301	Strand	+
Start	18425	End	18759
Name	OJ000209_13.0316.C2.o5.gp	Method	AAT/GAP
Start	18425	End	18759
GI	15591_1.R1084	Score	461
Exons	18425..18575, 18621..18759		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-14 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3

Gene No.	83302	Strand	+
Start	118	End	717
Name	OJ000209_13.0316.C3.o1.gp	Method	AAT/GAP
Start	118	End	523
GI	73514_1.R1084	Score	794
Exons	118..523		
GI Descrip.	'4959710/gb|AAD34458.1| 5.0e-12 (AF135596) Skp1 [Medicago sativa]'		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83302	Strand	+
Start	118	End	717
Name	OJ000209_13.0316.C3.o1.gs	Method	GENSCAN
Start	190	End	714
GI	none	Score	1
Exons	190..714		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83302	Strand	+
Start	118	End	717
Name	OJ000209_13.0316.C3.o1.np	Method	AAT/NAP
Start	214	End	717
GI	7378764	Score	302
Exons	214..717		
GI Descrip.	(AJ277096) putative kinetochore protein [Hordeum vulgare]		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83303	Strand	+
Start	7201	End	11827
Name	OJ000209_13.0316.C3.o2.gs	Method	GENSCAN
Start	7201	End	7737
GI	none	Score	1
Exons	7201..7737		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83303	Strand	+
Start	7201	End	11827
Name	OJ000209_13.0316.C3.o2.np	Method	AAT/NAP
Start	7264	End	11339
GI	3719211	Score	340
Exons	7264..7462, 10810..10928, 11139..11339		
GI Descrip.	(U97021) UIP2 [Arabidopsis thaliana]		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83303	Strand	+
Start	7201	End	11827
Name	OJ000209_13.0316.C3.o3.gs	Method	GENSCAN
Start	10824	End	11827
GI	none	Score	.76
Exons	10824..11347, 11611..11827		

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83304	Strand	+
Start	13394	End	14184
Name	OJ000209_13.0316.C3.o4.gs	Method	GENSCAN
Start	13394	End	14184
GI	none	Score	.58

Exons	13394..13493, 14162..14184		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83305	Strand	+
Start	14827	End	15141
Name	OJ000209_13.0316.C3.o5.gs	Method	GENSCAN
Start	14827	End	15141
GI	none	Score	.69
Exons	14827..15141		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83306	Strand	+
Start	18015	End	21199
Name	OJ000209_13.0316.C3.o3.np	Method	AAT/NAP
Start	17931	End	20177
GI	4926868	Score	204
Exons	17931..18444, 20155..20177		
GI Descrip.	(AC007509) putative phosphoserine aminotransferase [Arabidopsis thaliana]		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83306	Strand	+
Start	18015	End	21199
Name	OJ000209_13.0316.C3.o6.gs	Method	GENSCAN
Start	18015	End	21199
GI	none	Score	.59
Exons	18015..18066, 18174..18351, 18407..18491, 19162..19285, 20402..20584, 20807..20958, 21041..21199		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83307	Strand	+
Start	25270	End	25636
Name	OJ000209_13.0316.C3.o5.np	Method	AAT/NAP
Start	25270	End	25636
GI	7487219	Score	131
Exons	25270..25422, 25477..25636		
GI Descrip.	hypothetical protein T19P19.70 - Arabidopsis thaliana gi|3080437|emb|CAA18754.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270952|emb|CAB80631.1| (AL161595) putative protein [Arabidopsis thaliana]		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o1.tm	Method	TBLASTX:Maize
Start	256	End	11339
GI	none	Score	83
Exons	256..351, 273..434, 358..435, 517..711, 534..668, 7279..7470, 7284..7445, 7537..7734, 7542..7679, 10875..10991, 10934..10990, 10974..11066, 10974..11078, 11139..11339		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o1.ts	Method	TBLASTX:Soybean
Start	256	End	11261
GI	none	Score	83

Exons	256..351, 273..434, 358..435, 517..639, 534..638, 7279..7470, 7284..7445, 7537..7659, 7542..7658, 10875..10991, 10934..10990, 10974..11066, 10974..11078, 11139..11261		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o1.tc	Method	TBLASTX:Cress
Start	273	End	11339
GI	none	Score	96
Exons	273..434, 358..435, 508..711, 528..668, 7279..7455, 7284..7445, 7537..7734, 7548..7679, 10866..10991, 10974..11066, 11139..11339, 11150..11233		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o2.tc	Method	TBLASTX:Cress
Start	18122	End	18446
GI	none	Score	45
Exons	18122..18154, 18165..18221, 18221..18385, 18223..18384, 18396..18446		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o2.ts	Method	TBLASTX:Soybean
Start	18122	End	18446
GI	none	Score	45
Exons	18122..18154, 18130..18162, 18165..18221, 18221..18388, 18223..18387, 18396..18446		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o3.tm	Method	TBLASTX:Maize
Start	18188	End	18390
GI	none	Score	50
Exons	18188..18220, 18189..18221, 18220..18390, 18221..18388		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o7.gs	Method	GENSCAN
Start	23208	End	23768
GI	none	Score	.49
Exons	23208..23768		
Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o4.np	Method	AAT/NAP
Start	23269	End	24770
GI	7440729	Score	309
Exons	23269..23713, 24732..24770		
GI Descrip.	ribosomal protein L12 homolog F19F18.150 - Arabidopsis thaliana gi|4468991|emb|CAB38305.1| (AL035605) ribosomal-like protein		

[Arabidopsis thaliana] gi|7270748|emb|CAB80431.1| (AL161591) ribosomal-like protein [Arabidopsis thaliana]

Seq. No.	40268	Seq. ID	OJ000209_13.0316.C3
Gene No.	83308	Strand	-
Start	23208	End	24770
Name	OJ000209_13.0316.C3.o2.tm	Method	TBLASTX:Maize
Start	23339	End	23796
GI	none	Score	35
Exons	23339..23362, 23361..23483, 23388..23414, 23401..23484, 23571..23672, 23607..23672, 23638..23796, 23715..23795		

Seq. No.	40269	Seq. ID	OJ000209_13.0316.C4
Gene No.	83309	Strand	+
Start	38	End	1878
Name	OJ000209_13.0316.C4.o1.np	Method	AAT/NAP
Start	38	End	811
GI	6665552	Score	722
Exons	38..811		
GI Descrip.	(AC013289) putative sterol desaturase [Arabidopsis thaliana]		

Seq. No.	40269	Seq. ID	OJ000209_13.0316.C4
Gene No.	83309	Strand	+
Start	38	End	1878
Name	OJ000209_13.0316.C4.o1.gs	Method	GENSCAN
Start	338	End	1878
GI	none	Score	.61
Exons	338..684, 1519..1625, 1859..1878		

Seq. No.	40269	Seq. ID	OJ000209_13.0316.C4
Gene No.	83310	Strand	+
Start	5833	End	6128
Name	OJ000209_13.0316.C4.o3.gs	Method	GENSCAN
Start	5833	End	6128
GI	none	Score	.77
Exons	5833..6128		

Seq. No.	40269	Seq. ID	OJ000209_13.0316.C4
Gene No.	83311	Strand	-
Start	2675	End	3166
Name	OJ000209_13.0316.C4.o1.ts	Method	TBLASTX:Soybean
Start	323	End	807
GI	none	Score	679
Exons	323..799, 323..787, 325..807, 637..801		

Seq. No.	40269	Seq. ID	OJ000209_13.0316.C4
Gene No.	83311	Strand	-
Start	2675	End	3166
Name	OJ000209_13.0316.C4.o1.tm	Method	TBLASTX:Maize
Start	341	End	769
GI	none	Score	629
Exons	341..748, 347..769, 349..768		

Seq. No.	40269	Seq. ID	OJ000209_13.0316.C4
Gene No.	83311	Strand	-
Start	2675	End	3166
Name	OJ000209_13.0316.C4.o2.gs	Method	GENSCAN

Start	2675	End	3166
GI	none	Score	.91
Exons	2675..3166		

Seq. No.	40270	Seq. ID	OJ000209_13.0316.C5
Gene No.	83312	Strand	-
Start	2715	End	4954
Name	OJ000209_13.0316.C5.o1.gp	Method	AAT/GAP
Start	2655	End	2887
GI	2796312	Score	436
Exons	2655..2887		

Seq. No.	40270	Seq. ID	OJ000209_13.0316.C5
Gene No.	83312	Strand	-
Start	2715	End	4954
Name	OJ000209_13.0316.C5.o2.gs	Method	GENSCAN
Start	2715	End	4954
GI	none	Score	.94
Exons	2715..3053, 4580..4954		

Seq. No.	40270	Seq. ID	OJ000209_13.0316.C5
Gene No.	83313	Strand	-
Start	5338	End	10910
Name	OJ000209_13.0316.C5.o3.gs	Method	GENSCAN
Start	5338	End	10910
GI	none	Score	.76
Exons	5338..5358, 5616..5756, 5829..6021, 7246..7579, 7657..7805, 7888..8030, 8120..8289, 8348..8541, 8616..8795, 8889..8944, 9747..9803, 10803..10910		

Seq. No.	40270	Seq. ID	OJ000209_13.0316.C5
Gene No.	83313	Strand	-
Start	5338	End	10910
Name	OJ000209_13.0316.C5.o1.np	Method	AAT/NAP
Start	7198	End	10893
GI	7262677	Score	424
Exons	7198..7453, 7888..8030, 8120..8251, 8454..8795, 8889..8944, 9550..9622, 9747..9803, 9897..9943, 10803..10893		
GI Descrip.	(AC012188) Contains similarity to MYB-Related Protein B from Gallus gallus gi|417333 and contains two Myb-like DNA-binding PF|00249 domains. [Arabidopsis thaliana]		

Seq. No.	40270	Seq. ID	OJ000209_13.0316.C5
Gene No.	83313	Strand	-
Start	5338	End	10910
Name	OJ000209_13.0316.C5.o1.ts	Method	TBLASTX:Soybean
Start	8636	End	8946
GI	5606179	Score	71
Exons	8636..8806, 8637..8798, 8749..8799, 8888..8944, 8889..8945, 8890..8946		
GI Descrip.	2947059 4.0e-29 (AC002521) similar to myb transforming protein [Arabidopsis thaliana]		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83314	Strand	+
Start	132	End	3108
Name	OJ000209_13.0316.C6.o1.gs	Method	GENSCAN

Start	132	End	3108
GI	none	Score	.51
Exons	132..161, 2962..3108		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83315	Strand	-
Start	4675	End	6413
Name	OJ000209_13.0316.C6.o2.gs	Method	GENSCAN
Start	4675	End	6413
GI	none	Score	.4
Exons	4675..4691, 5066..5191, 6131..6413		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83316	Strand	-
Start	6809	End	9344
Name	OJ000209_13.0316.C6.o3.gs	Method	GENSCAN
Start	6809	End	9344
GI	none	Score	.81
Exons	6809..7169, 7337..7551, 8112..8529, 9253..9344		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83317	Strand	-
Start	10567	End	11280
Name	OJ000209_13.0316.C6.o4.gs	Method	GENSCAN
Start	10567	End	11280
GI	none	Score	1
Exons	10567..11280		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83318	Strand	-
Start	11570	End	12138
Name	OJ000209_13.0316.C6.o5.gs	Method	GENSCAN
Start	11570	End	12138
GI	none	Score	.81
Exons	11570..11674, 11698..12138		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83319	Strand	-
Start	12162	End	12317
Name	OJ000209_13.0316.C6.o1.gp	Method	AAT/GAP
Start	12162	End	12317
GI	3107773	Score	288
Exons	12162..12317		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o2.gp	Method	AAT/GAP
Start	13095	End	14830
GI	22386_1.R1084	Score	1403
Exons	13095..13300, 13390..13542, 13624..13668, 13779..13867, 13983..14055, 14372..14446, 14540..14571, 14669..14830		
GI Descrip.	'544184/sp|Q06801|DPEP_SOLTU 6.0e-92 4-ALPHA-GLUCANOTRANSFERASE PRECURSOR (AMYLOMALTASE) (DISPROPORTIONATING ENZYME) (D-ENZYME) >gi_322785_pir__A45049 4-alpha-glucanotransferase (EC 2.4.1.25) - potato >gi_296692_emb_CAA48630_ (X68664) 4-alpha-glucanotransferase [Solanum tuberosum]'		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o1.tm	Method	TBLASTX:Maize
Start	13195	End	14973
GI	none	Score	72
Exons	13195..13260, 13202..13297, 13203..13292, 13205..13294, 13206..13301, 13390..13542, 13394..13543, 13619..13669, 13621..13668, 13623..13703, 13776..13868, 13776..13868, 13777..13872, 13792..13872, 13984..14055, 13985..14056, 14363..14446, 14372..14446, 14540..14572, 14541..14591, 14670..14810, 14671..14811, 14896..14973, 14898..14972		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o1.tc	Method	TBLASTX:Cress
Start	13196	End	14693
GI	none	Score	66
Exons	13196..13297, 13200..13292, 13379..13534, 13381..13545, 13387..13548, 13630..13662, 13631..13663, 13773..13868, 13776..13868, 13780..13872, 13984..14055, 13985..14056, 14372..14443, 14373..14450, 14537..14572, 14670..14693		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o6.gs	Method	GENSCAN
Start	13196	End	14965
GI	none	Score	.75
Exons	13196..13300, 13453..13542, 13624..13668, 13779..13867, 14896..14965		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o2.np	Method	AAT/NAP
Start	13199	End	15064
GI	544184	Score	749
Exons	13199..13300, 13390..13542, 13624..13668, 13779..13867, 13983..14055, 14372..14446, 14540..14571, 14669..14808, 14896..15064		
GI Descrip.	4-ALPHA-GLUCANOTRANSFERASE PRECURSOR (AMYLOMALTASE) (DISPROPORTIONATING ENZYME) (D-ENZYME) gi|322785|pir||A45049 4-alpha-glucanotransferase (EC 2.4.1.25) - potato gi|296692|emb|CAA48630.1| (X68664) 4-alpha-glucanotransferase [Solanum tuberosum]		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o2.tc	Method	TBLASTX:Cress
Start	14700	End	14972
GI	none	Score	76
Exons	14700..14810, 14704..14811, 14901..14972, 14905..14970		

Seq. No.	40271	Seq. ID	OJ000209_13.0316.C6
Gene No.	83320	Strand	-
Start	13196	End	15064
Name	OJ000209_13.0316.C6.o1.ts	Method	TBLASTX:Soybean
Start	14718	End	14972
GI	none	Score	69
Exons	14718..14810, 14719..14811, 14896..14970, 14901..14972, 14902..14970		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83321	Strand	+
Start	1	End	9355
Name	OJ000209_13.0316.C7.o1.np	Method	AAT/NAP
Start	1	End	2894
GI	7487219	Score	626
Exons	1..78, 637..1104, 1198..1323, 1788..1995, 2076..2227, 2445..2625, 2671..2894		
GI Descrip.	hypothetical protein T19P19.70 - Arabidopsis thaliana gi|3080437|emb|CAA18754.1| (AL022605) putative protein [Arabidopsis thaliana] gi|7270952|emb|CAB80631.1| (AL161595) putative protein [Arabidopsis thaliana]		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83321	Strand	+
Start	1	End	9355
Name	OJ000209_13.0316.C7.o1.gs	Method	GENSCAN
Start	49	End	9355
GI	none	Score	.82
Exons	49..1453, 1801..1995, 2076..2227, 2445..2905, 4020..4107, 4363..4432, 4585..4658, 4753..4821, 4944..5021, 5243..5367, 5465..5537, 5805..5863, 5947..6324, 6431..6533, 7412..7698, 7955..8094, 8684..8823, 8976..9113, 9182..9355		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83321	Strand	+
Start	1	End	9355
Name	OJ000209_13.0316.C7.o1.gp	Method	AAT/GAP
Start	2547	End	3023
GI	none	Score	850
Exons	2547..3023		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83321	Strand	+
Start	1	End	9355
Name	OJ000209_13.0316.C7.o2.np	Method	AAT/NAP
Start	3828	End	6828
GI	7267496	Score	696
Exons	3828..3907, 4020..4107, 4403..4504, 4587..4737, 5252..5367, 5465..5537, 5805..5866, 5947..6324, 6428..6524, 6629..6828		
GI Descrip.	(AL161512) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83322	Strand	+
Start	9261	End	9659
Name	OJ000209_13.0316.C7.o4.gp	Method	AAT/GAP
Start	9261	End	9659
GI	none	Score	774

Exons	9261..9659		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83323	Strand	+
Start	11011	End	12347
Name	OJ000209_13.0316.C7.o3.gs	Method	GENSCAN
Start	11011	End	12347
GI	none	Score	.74
Exons	11011..11232, 11951..12071, 12214..12347		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83324	Strand	-
Start	6642	End	7084
Name	OJ000209_13.0316.C7.o3.gp	Method	AAT/GAP
Start	6642	End	7084
GI	none	Score	842
Exons	6642..7084		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83325	Strand	-
Start	10103	End	10673
Name	OJ000209_13.0316.C7.o2.gs	Method	GENSCAN
Start	10103	End	10673
GI	none	Score	.43
Exons	10103..10210, 10425..10673		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83326	Strand	-
Start	12850	End	17037
Name	OJ000209_13.0316.C7.o3.np	Method	AAT/NAP
Start	12838	End	17001
GI	3885336	Score	1650
Exons	12838..13430, 13636..14260, 14291..14752, 14840..15305, 16110..17001		
GI Descrip.	(AC005623) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83326	Strand	-
Start	12850	End	17037
Name	OJ000209_13.0316.C7.o4.gs	Method	GENSCAN
Start	12850	End	17037
GI	none	Score	.91
Exons	12850..13430, 13636..14919, 15147..15305, 16110..17037		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83326	Strand	-
Start	12850	End	17037
Name	OJ000209_13.0316.C7.o5.gp	Method	AAT/GAP
Start	12865	End	13342
GI	LIB3434-028-P1-K1-G4	Score	916
Exons	12865..13342		
GI Descrip.	'3885336 6.0e-39 (AC005623) receptor-like protein kinase [Arabidopsis thaliana]'		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-

Start	19458	End	27459
Name	OJ000209_13.0316.C7.o9.tm	Method	TBLASTX:Maize
Start	604	End	844
GI	none	Score	189
Exons	604..843, 618..776, 626..844		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o3.ts	Method	TBLASTX:Soybean
Start	667	End	2594
GI	none	Score	101
Exons	667..846, 859..933, 981..1112, 982..1137, 1153..1269, 1231..1350, 1800..1994, 2075..2227, 2098..2226, 2430..2570, 2447..2557, 2451..2594		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o1.tc	Method	TBLASTX:Cress
Start	1800	End	2227
GI	none	Score	55
Exons	1800..1844, 1935..1994, 2075..2227, 2098..2223		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o6.tm	Method	TBLASTX:Maize
Start	1800	End	2910
GI	none	Score	70
Exons	1800..1868, 1814..1867, 1869..1994, 1893..1994, 2075..2227, 2075..2236, 2095..2250, 2430..2570, 2444..2557, 2660..2902, 2764..2910, 2778..2909		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o8.tm	Method	TBLASTX:Maize
Start	4943	End	6517
GI	none	Score	111
Exons	4943..5026, 4944..5024, 4945..5028, 5233..5367, 5243..5371, 5246..5371, 5247..5372, 5262..5375, 5468..5545, 5803..5862, 5807..5863, 5808..5858, 5944..5979, 5945..5980, 5945..5980, 6422..6517		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o5.ts	Method	TBLASTX:Soybean
Start	5248	End	6139
GI	none	Score	164
Exons	5248..5373, 5252..5371, 5450..5533, 5466..5534, 5805..5873, 5808..5864, 5944..6039, 5945..6139, 5945..6049		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459

Name	OJ000209_13.0316.C7.o3.tm	Method	TBLASTX:Maize
Start	5983	End	6301
GI	none	Score	401
Exons	5983..6039, 5984..6292, 5984..6301		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o5.tc	Method	TBLASTX:Cress
Start	5986	End	6305
GI	none	Score	56
Exons	5986..6039, 5987..6058, 6089..6265, 6098..6304, 6109..6288, 6213..6305		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o8.ts	Method	TBLASTX:Soybean
Start	8019	End	9124
GI	none	Score	111
Exons	8019..8093, 8683..8823, 8973..9116, 8973..9071, 8975..9124		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o4.tm	Method	TBLASTX:Maize
Start	8644	End	9396
GI	none	Score	230
Exons	8644..8823, 8681..8827, 8973..9116, 8973..9113, 8974..9114, 8975..9124, 9191..9307, 9195..9311, 9202..9315, 9340..9396		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o1.tm	Method	TBLASTX:Maize
Start	12681	End	13739
GI	none	Score	40
Exons	12681..12710, 12709..12741, 12755..12784, 12762..12791, 12809..12835, 12814..12834, 12857..13432, 12859..13431, 13625..13738, 13627..13737, 13638..13739		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o1.tw	Method	TBLASTX:Wheat
Start	12749	End	12976
GI	none	Score	76
Exons	12749..12799, 12750..12797, 12751..12798, 12757..12807, 12809..12835, 12809..12847, 12835..12972, 12844..12975, 12845..12976		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o6.ts	Method	TBLASTX:Soybean
Start	12859	End	13141
GI	none	Score	43

Exons	12859..12951, 12860..12952, 12952..13140, 12977..13141		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o2.tc	Method	TBLASTX:Cress
Start	13075	End	16764
GI	none	Score	107
Exons	13075..13140, 13156..13293, 13336..13422, 14567..14623, 14636..14776, 14636..14758, 14636..14749, 14639..14779, 14639..14854, 14639..14776, 14639..14761, 14639..14779, 14639..14776, 14642..14776, 14879..14944, 14920..15144, 14947..15210, 14947..15141, 14947..15078, 14947..15207, 14953..15228, 14953..15198, 14953..15141, 14953..15204, 14953..15135, 15016..15144, 15169..15207, 15205..15243, 16165..16314, 16378..16542, 16546..16761, 16546..16755, 16546..16752, 16546..16752, 16549..16761, 16549..16761, 16552..16761, 16552..16746, 16564..16764		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o1.ts	Method	TBLASTX:Soybean
Start	13670	End	14059
GI	none	Score	141
Exons	13670..13897, 13671..13838, 13694..13888, 13895..14059, 13896..13988		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o3.tc	Method	TBLASTX:Cress
Start	13682	End	13957
GI	none	Score	215
Exons	13682..13957		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o2.tm	Method	TBLASTX:Maize
Start	13739	End	14288
GI	none	Score	388
Exons	13739..14083, 13740..14078, 13786..14082, 14078..14281, 14079..14288		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o7.ts	Method	TBLASTX:Soybean
Start	14498	End	16752
GI	none	Score	112
Exons	14498..14779, 14499..14741, 14953..15132, 16414..16575, 16525..16734, 16615..16752		
Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459

Name	OJ000209_13.0316.C7.o10.tm	Method	TBLASTX:Maize
Start	14639	End	16761
GI	none	Score	134
Exons	14639..14830, 14639..14776, 14639..14776, 14690..14776, 14879..14944, 14953..15141, 14953..15132, 15070..15204, 15175..15207, 15175..15204, 16387..16572, 16396..16572, 16546..16749, 16546..16743, 16549..16761, 16549..16743, 16606..16761		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o5.gs	Method	GENSCAN
Start	19458	End	25958
GI	none	Score	.47
Exons	19458..19520, 21184..21313, 21508..21684, 22074..22201, 24863..25005, 25312..25503, 25889..25958		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o6.gp	Method	AAT/GAP
Start	25670	End	27459
GI	29608_1.R1084	Score	856
Exons	25670..25970, 27317..27459		
GI Descrip.	'3551247/dbj|BAA32822| 1.0e-78 (AB012703) 181 [Daucus carota]'		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o2.ts	Method	TBLASTX:Soybean
Start	25758	End	26019
GI	none	Score	116
Exons	25758..25973, 25773..25973, 25774..26019		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o5.tm	Method	TBLASTX:Maize
Start	25761	End	25978
GI	none	Score	302
Exons	25761..25976, 25766..25978, 25768..25977, 25883..25978		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o4.np	Method	AAT/NAP
Start	25770	End	27459
GI	7488914	Score	521
Exons	25770..25970, 27317..27459		
GI Descrip.	embryogenic callus protein 181 - carrot (fragment) gi|3551247|dbj|BAA32822.1| (AB012703) 181 [Daucus carota]		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o4.ts	Method	TBLASTX:Soybean

Start	27252	End	27457
GI	none	Score	172
Exons	27252..27455, 27314..27457, 27317..27457		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o7.tm	Method	TBLASTX:Maize
Start	27315	End	27457
GI	none	Score	203
Exons	27315..27455, 27317..27457		

Seq. No.	40272	Seq. ID	OJ000209_13.0316.C7
Gene No.	83327	Strand	-
Start	19458	End	27459
Name	OJ000209_13.0316.C7.o4.tc	Method	TBLASTX:Cress
Start	27317	End	27458
GI	none	Score	125
Exons	27317..27457, 27318..27458		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83328	Strand	+
Start	3633	End	4631
Name	OJ000209_13.0316.C8.o2.gs	Method	GENSCAN
Start	3633	End	4631
GI	none	Score	.75
Exons	3633..3860, 4083..4191, 4258..4631		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83329	Strand	-
Start	1	End	3736
Name	OJ000209_13.0316.C8.o1.np	Method	AAT/NAP
Start	1	End	3736
GI	7488914	Score	849
Exons	1..79, 276..344, 1023..1232, 1446..1505, 1686..1774, 2137..2287, 3701..3736		
GI Descrip.	embryogenic callus protein 181 - carrot (fragment) gi|3551247|dbj|BAA32822.1| (AB012703) 181 [Daucus carota]		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83329	Strand	-
Start	1	End	3736
Name	OJ000209_13.0316.C8.o1.gs	Method	GENSCAN
Start	276	End	2455
GI	none	Score	.81
Exons	276..344, 1023..1235, 1446..1505, 1686..1774, 2137..2455		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o1.tc	Method	TBLASTX:Cress
Start	27	End	1226
GI	none	Score	80
Exons	27..104, 32..82, 273..344, 274..342, 993..1226, 1024..1188		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-

Start	5031	End	8075
Name	OJ000209_13.0316.C8.o1.ts	Method	TBLASTX:Soybean
Start	304	End	2282
GI	none	Score	74
Exons	304..342, 306..344, 993..1235, 1024..1188, 1028..1243, 1327..1347, 1329..1412, 1356..1502, 1389..1505, 1686..1775, 2129..2197, 2133..2174, 2192..2275, 2196..2282		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o3.tm	Method	TBLASTX:Maize
Start	1130	End	2327
GI	none	Score	112
Exons	1130..1237, 1131..1235, 1329..1346, 1437..1508, 1446..1508, 1448..1510, 1680..1775, 1681..1755, 1737..1772, 2129..2326, 2133..2327		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o4.tm	Method	TBLASTX:Maize
Start	4078	End	4421
GI	none	Score	158
Exons	4078..4236, 4081..4236, 4095..4247, 4262..4390, 4284..4421		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o3.gs	Method	GENSCAN
Start	5031	End	8075
GI	none	Score	.83
Exons	5031..6725, 7930..8075		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o2.np	Method	AAT/NAP
Start	5037	End	6452
GI	6682237	Score	1045
Exons	5037..6452		
GI Descrip.	(AC016661) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o1.tm	Method	TBLASTX:Maize
Start	5043	End	5358
GI	none	Score	390
Exons	5043..5357, 5044..5358		

Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o2.tc	Method	TBLASTX:Cress
Start	5421	End	5918
GI	none	Score	43

Exons	5421..5453, 5541..5600, 5542..5580, 5632..5895, 5637..5918		
Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o2.ts	Method	TBLASTX:Soybean
Start	5442	End	5895
GI	none	Score	199
Exons	5442..5507, 5541..5624, 5637..5894, 5647..5895		
Seq. No.	40273	Seq. ID	OJ000209_13.0316.C8
Gene No.	83330	Strand	-
Start	5031	End	8075
Name	OJ000209_13.0316.C8.o2.tm	Method	TBLASTX:Maize
Start	5937	End	6177
GI	none	Score	245
Exons	5937..6176, 5937..6176, 6052..6177		
Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83331	Strand	+
Start	1522	End	6129
Name	OJ000209_13.0316.C9.o1.np	Method	AAT/NAP
Start	1522	End	5043
GI	4417294	Score	2039
Exons	1522..3015, 3560..4318, 4888..5043		
GI Descrip.	(AC007019) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83331	Strand	+
Start	1522	End	6129
Name	OJ000209_13.0316.C9.o1.gp	Method	AAT/GAP
Start	4902	End	6129
GI	uC-osf1M202090f02b1	Score	730
Exons	4902..5042, 5433..5575, 5662..5741, 6093..6129		
GI Descrip.	'4417294/gb|AAD20419| 1.0e-12 (AC007019) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83332	Strand	+
Start	6237	End	7170
Name	OJ000209_13.0316.C9.o2.tm	Method	TBLASTX:Maize
Start	3448	End	3703
GI	none	Score	220
Exons	3448..3699, 3451..3699, 3476..3703, 3479..3703		
Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83332	Strand	+
Start	6237	End	7170
Name	OJ000209_13.0316.C9.o1.tc	Method	TBLASTX:Cress
Start	5664	End	6337
GI	none	Score	103
Exons	5664..5744, 5666..5740, 6093..6326, 6093..6326, 6095..6337		
Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83332	Strand	+
Start	6237	End	7170
Name	OJ000209_13.0316.C9.o1.tm	Method	TBLASTX:Maize

Start	6092	End	6618
GI	none	Score	391
Exons	6092..6388, 6093..6389, 6476..6616, 6477..6617, 6493..6618, 6493..6618		

Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83332	Strand	+
Start	6237	End	7170
Name	OJ000209_13.0316.C9.o2.np	Method	AAT/NAP
Start	6237	End	7170
GI	4417293	Score	446
Exons	6237..6371, 6496..6627, 6959..7170		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83332	Strand	+
Start	6237	End	7170
Name	OJ000209_13.0316.C9.o2.tc	Method	TBLASTX:Cress
Start	6493	End	7156
GI	none	Score	153
Exons	6493..6630, 6543..6620, 6953..7153, 6955..7152, 6965..7156		

Seq. No.	40274	Seq. ID	OJ000209_13.0316.C9
Gene No.	83332	Strand	+
Start	6237	End	7170
Name	OJ000209_13.0316.C9.o2.gp	Method	AAT/GAP
Start	7017	End	7170
GI	47632_1.R1084	Score	274
Exons	7017..7170		
GI Descrip.	'4417293/gb|AAD20418| 1.0e-47 (AC007019) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40275	Seq. ID	OJ000209_13.0316.C10
Gene No.	83333	Strand	+
Start	1	End	410
Name	OJ000209_13.0316.C10.o1.np	Method	AAT/NAP
Start	1	End	410
GI	4417293	Score	193
Exons	1..410		
GI Descrip.	(AC007019) unknown protein [Arabidopsis thaliana]		

Seq. No.	40275	Seq. ID	OJ000209_13.0316.C10
Gene No.	83333	Strand	+
Start	1	End	410
Name	OJ000209_13.0316.C10.o1.gp	Method	AAT/GAP
Start	1	End	364
GI	47632_1.R1084	Score	521
Exons	1..364		
GI Descrip.	'4417293/gb|AAD20418| 1.0e-47 (AC007019) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40275	Seq. ID	OJ000209_13.0316.C10
Gene No.	83333	Strand	+
Start	1	End	410
Name	OJ000209_13.0316.C10.o1.gs	Method	GENSCAN
Start	77	End	403
GI	none	Score	.85

Exons	77..403		
Seq. No.	40275	Seq. ID	OJ000209_13.0316.C10
Gene No.	83334	Strand	+
Start	382	End	604
Name	OJ000209_13.0316.C10.o1.tm	Method	TBLASTX:Maize
Start	76	End	313
GI	none	Score	107
Exons	76..171, 77..250, 77..250, 203..313, 203..292, 213..311		
Seq. No.	40275	Seq. ID	OJ000209_13.0316.C10
Gene No.	83334	Strand	+
Start	382	End	604
Name	OJ000209_13.0316.C10.o1.ts	Method	TBLASTX:Soybean
Start	216	End	361
GI	none	Score	205
Exons	216..344, 218..361, 271..360		
Seq. No.	40275	Seq. ID	OJ000209_13.0316.C10
Gene No.	83334	Strand	+
Start	382	End	604
Name	OJ000209_13.0316.C10.o2.gp	Method	AAT/GAP
Start	382	End	604
GI	2797831	Score	358
Exons	382..604		
Seq. No.	40276	Seq. ID	OJ000209_13.0316.C11
Gene No.	83335	Strand	+
Start	1	End	2083
Name	OJ000209_13.0316.C11.o1.np	Method	AAT/NAP
Start	1	End	2083
GI	544184	Score	566
Exons	1..341, 875..937, 1013..1101, 1185..1245, 1431..1509, 1881..2083		
GI Descrip.	4-ALPHA-GLUCANOTRANSFERASE PRECURSOR (AMYLOMALTASE) (DISPROPORTIONATING ENZYME) (D-ENZYME) gi|322785|pir||A45049 4-alpha-glucanotransferase (EC 2.4.1.25) - potato gi|296692|emb|CAA48630.1| (X68664) 4-alpha-glucanotransferase [Solanum tuberosum]		
Seq. No.	40276	Seq. ID	OJ000209_13.0316.C11
Gene No.	83335	Strand	+
Start	1	End	2083
Name	OJ000209_13.0316.C11.o1.gs	Method	GENSCAN
Start	51	End	1523
GI	none	Score	.73
Exons	51..341, 471..842, 875..1101, 1185..1245, 1431..1523		
Seq. No.	40276	Seq. ID	OJ000209_13.0316.C11
Gene No.	83335	Strand	+
Start	1	End	2083
Name	OJ000209_13.0316.C11.o1.tm	Method	TBLASTX:Maize
Start	257	End	2020
GI	none	Score	155
Exons	257..343, 258..344, 300..344, 859..939, 872..937, 1001..1102, 1011..1094, 1175..1246, 1177..1296, 1419..1502, 1429..1509, 1431..1511, 1469..1534, 1874..2020, 1880..2020		

Seq. No.	40276	Seq. ID	OJ000209_13.0316.C11
Gene No.	83335	Strand	+
Start	1	End	2083
Name	OJ000209_13.0316.C11.o1.gp	Method	AAT/GAP
Start	1185	End	2045
GI	3766649	Score	500
Exons	1185..1245, 1431..1509, 1881..2045		
GI Descrip.	544184/sp|Q06801|DPEP_SOLTU 4.0e-34 4-ALPHA-GLUCANOTRANSFERASE PRECURSOR (AMYLOMALTASE) (DISPROPORTIONATING ENZYME) (D-ENZYME) >gi_322785_pir__A45049 4-alpha-glucanotransferase (EC 2.4.1.25) - potato >gi_296692_emb_CAA48630_ (X68664) 4-alpha-glucanotransferase [Solanum tuberosum]		

Seq. No.	40276	Seq. ID	OJ000209_13.0316.C11
Gene No.	83335	Strand	+
Start	1	End	2083
Name	OJ000209_13.0316.C11.o1.ts	Method	TBLASTX:Soybean
Start	1431	End	2026
GI	none	Score	78
Exons	1431..1508, 1860..1976, 1862..2020, 1874..2026		

Seq. No.	40277	Seq. ID	OJ000209_12.0317.C2
Gene No.	83336	Strand	+
Start	2741	End	3248
Name	OJ000209_12.0317.C2.o1.gs	Method	GENSCAN
Start	2741	End	3248
GI	none	Score	.62
Exons	2741..2773, 3177..3248		

Seq. No.	40277	Seq. ID	OJ000209_12.0317.C2
Gene No.	83337	Strand	+
Start	5687	End	7695
Name	OJ000209_12.0317.C2.o3.gs	Method	GENSCAN
Start	5687	End	7695
GI	none	Score	.74
Exons	5687..5861, 7544..7695		

Seq. No.	40277	Seq. ID	OJ000209_12.0317.C2
Gene No.	83338	Strand	-
Start	3430	End	3740
Name	OJ000209_12.0317.C2.o2.gs	Method	GENSCAN
Start	3430	End	3740
GI	none	Score	.83
Exons	3430..3493, 3628..3740		

Seq. No.	40278	Seq. ID	OJ000209_12.0317.C3
Gene No.	83339	Strand	+
Start	80	End	1036
Name	OJ000209_12.0317.C3.o1.gs	Method	GENSCAN
Start	80	End	1036
GI	none	Score	.97
Exons	80..1036		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83340	Strand	+
Start	1646	End	8043
Name	OJ000209_12.0317.C4.o1.np	Method	AAT/NAP

Start	1646	End	8043
GI	7228457	Score	3133
Exons	1646..1687, 3013..4723, 4778..6438, 6505..8043		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83340	Strand	+
Start	1646	End	8043
Name	OJ000209_12.0317.C4.o1.gs	Method	GENSCAN
Start	2394	End	3862
GI	none	Score	.86
Exons	2394..2454, 2805..3862		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83340	Strand	+
Start	1646	End	8043
Name	OJ000209_12.0317.C4.o2.gs	Method	GENSCAN
Start	3994	End	7794
GI	none	Score	.82
Exons	3994..4827, 4915..7104, 7240..7794		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83341	Strand	+
Start	12120	End	12620
Name	OJ000209_12.0317.C4.o4.np	Method	AAT/NAP
Start	12120	End	12620
GI	7523517	Score	248
Exons	12120..12419, 12564..12620		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83342	Strand	+
Start	23232	End	29772
Name	OJ000209_12.0317.C4.o5.gs	Method	GENSCAN
Start	23232	End	29772
GI	none	Score	.64
Exons	23232..23289, 23576..23651, 25183..25288, 25742..25767, 25924..26107, 26802..26882, 26959..27085, 27273..27336, 28511..28631, 28721..28945, 29689..29772		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83342	Strand	+
Start	23232	End	29772
Name	OJ000209_12.0317.C4.o2.gp	Method	AAT/GAP
Start	27948	End	28622
GI	3763783	Score	563
Exons	27948..28155, 28511..28622		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83342	Strand	+
Start	23232	End	29772
Name	OJ000209_12.0317.C4.o3.gp	Method	AAT/GAP
Start	29026	End	29590
GI	3763784	Score	945
Exons	29026..29590		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83343	Strand	+
Start	34135	End	41764
Name	OJ000209_12.0317.C4.o7.gs	Method	GENSCAN
Start	34135	End	39221
GI	none	Score	.66
Exons	34135..34296, 36317..36707, 38779..39221		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83343	Strand	+
Start	34135	End	41764
Name	OJ000209_12.0317.C4.o6.np	Method	AAT/NAP
Start	38518	End	41764
GI	1362047	Score	341
Exons	38518..38672, 39616..40052, 40152..40246, 41744..41764		
GI Descrip.	cysteine proteinase (EC 3.4.22.-) precursor - soybean gi|479060|emb|CAA83673| (Z32795) cysteine proteinase [Glycine max] gi|1096153|prf||2111244A Cys protease [Glycine max]		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83343	Strand	+
Start	34135	End	41764
Name	OJ000209_12.0317.C4.o8.gs	Method	GENSCAN
Start	39530	End	40279
GI	none	Score	.95
Exons	39530..39727, 39754..39856, 39877..40052, 40112..40279		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83344	Strand	-
Start	8659	End	18408
Name	OJ000209_12.0317.C4.o3.gs	Method	GENSCAN
Start	8659	End	18408
GI	none	Score	.47
Exons	8659..9179, 9275..9420, 9543..10019, 10052..10300, 10371..10429, 10536..10679, 10747..10890, 11038..11110, 11223..11414, 11572..11722, 12088..12198, 12804..13057, 15638..15762, 18058..18408		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83344	Strand	-
Start	8659	End	18408
Name	OJ000209_12.0317.C4.o2.np	Method	AAT/NAP
Start	9542	End	11147
GI	6721561	Score	989
Exons	9542..10300, 10371..10429, 10500..10712, 11112..11147		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83344	Strand	-
Start	8659	End	18408
Name	OJ000209_12.0317.C4.o3.np	Method	AAT/NAP
Start	10134	End	11671

GI	6721558	Score	244
Exons	10134..10331, 10734..10871, 11572..11671		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83344	Strand	-
Start	8659	End	18408
Name	OJ000209_12.0317.C4.o5.np	Method	AAT/NAP
Start	18028	End	18379
GI	6560751	Score	279
Exons	18028..18189, 18229..18379		
GI Descrip.	(AC010155) F3M18.8 [Arabidopsis thaliana]		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83345	Strand	-
Start	19644	End	21801
Name	OJ000209_12.0317.C4.o4.gs	Method	GENSCAN
Start	19644	End	21801
GI	none	Score	.68
Exons	19644..19924, 21583..21681, 21756..21801		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83346	Strand	-
Start	30710	End	31939
Name	OJ000209_12.0317.C4.o6.gs	Method	GENSCAN
Start	30710	End	31939
GI	none	Score	.81
Exons	30710..31231, 31310..31939		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o7.tw	Method	TBLASTX:Wheat
Start	3203	End	3595
GI	none	Score	58
Exons	3203..3247, 3248..3361, 3259..3309, 3320..3595, 3367..3594		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o7.tm	Method	TBLASTX:Maize
Start	3242	End	3481
GI	none	Score	191
Exons	3242..3481		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o4.tw	Method	TBLASTX:Wheat
Start	4222	End	4677
GI	none	Score	127
Exons	4222..4404, 4441..4677, 4443..4559, 4447..4662, 4602..4667		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-

Start	41774	End	44053
Name	OJ000209_12.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	4870	End	5325
GI	none	Score	566
Exons	4870..5325, 4870..5310, 4878..5324		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o4.ts	Method	TBLASTX:Soybean
Start	4909	End	5274
GI	none	Score	110
Exons	4909..5133, 5140..5274		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	4999	End	5355
GI	none	Score	427
Exons	4999..5355, 5053..5301, 5061..5354		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	5383	End	5766
GI	none	Score	319
Exons	5383..5766, 5487..5765		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o2.tw	Method	TBLASTX:Wheat
Start	5440	End	5862
GI	none	Score	454
Exons	5440..5862, 5440..5829, 5487..5858		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	5494	End	5919
GI	none	Score	311
Exons	5494..5919, 5520..5678		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o8.tw	Method	TBLASTX:Wheat
Start	5868	End	6132
GI	none	Score	67
Exons	5868..5936, 5869..5937, 5941..6132, 5944..6063		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053

Name	OJ000209_12.0317.C4.o5.ts	Method	TBLASTX:Soybean
Start	6133	End	6516
GI	none	Score	77
Exons	6133..6258, 6268..6516, 6396..6494		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o6.tw	Method	TBLASTX:Wheat
Start	6136	End	6561
GI	none	Score	120
Exons	6136..6237, 6144..6245, 6265..6561, 6396..6503		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	6919	End	7224
GI	none	Score	327
Exons	6919..7224, 7005..7223		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o5.tw	Method	TBLASTX:Wheat
Start	6919	End	7302
GI	none	Score	346
Exons	6919..7302, 6927..7301		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o3.tw	Method	TBLASTX:Wheat
Start	7438	End	8034
GI	none	Score	339
Exons	7438..7878, 7440..7682, 7903..8034		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	18016	End	18355
GI	none	Score	109
Exons	18016..18147, 18038..18148, 18256..18327, 18272..18355		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	20330	End	20855
GI	none	Score	49
Exons	20330..20425, 20331..20426, 20343..20426, 20428..20532, 20451..20855, 20487..20531, 20494..20532, 20529..20840		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053

Name	OJ000209_12.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	26693	End	28789
GI	none	Score	46
Exons	26693..26722, 26693..26713, 26808..26882, 26809..26883, 26809..26883, 26949..27050, 26956..27045, 27273..27341, 27275..27349, 27275..27343, 27960..28157, 27961..28146, 27962..28156, 28509..28532, 28533..28643, 28763..28789		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o9.tw	Method	TBLASTX:Wheat
Start	31314	End	31597
GI	none	Score	93
Exons	31314..31385, 31315..31386, 31316..31384, 31451..31492, 31458..31493, 31499..31555, 31500..31553, 31502..31597		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	39602	End	40244
GI	none	Score	123
Exons	39602..39751, 39632..39757, 39763..39804, 39872..39976, 39885..40010, 40008..40049, 40179..40244		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	39611	End	40238
GI	none	Score	124
Exons	39611..39751, 39632..39757, 39669..39758, 39762..39788, 39872..39976, 39885..40010, 40017..40049, 40022..40048, 40173..40238		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	39623	End	40241
GI	none	Score	97
Exons	39623..39751, 39872..39976, 39885..40010, 40008..40049, 40161..40241		

Seq. No.	40279	Seq. ID	OJ000209_12.0317.C4
Gene No.	83347	Strand	-
Start	41774	End	44053
Name	OJ000209_12.0317.C4.o9.gs	Method	GENSCAN
Start	41774	End	44053
GI	none	Score	.41
Exons	41774..41833, 41908..42135, 42211..42676, 43056..43186, 43346..43438, 43587..43736, 43853..44053		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83348	Strand	+
Start	9277	End	10855

Name	OJ000209_12.0317.C5.o3.np	Method	AAT/NAP
Start	9277	End	10549
GI	7523512	Score	196
Exons	9277..9395, 10426..10549		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83348	Strand	+
Start	9277	End	10855
Name	OJ000209_12.0317.C5.o2.np	Method	AAT/NAP
Start	9387	End	10855
GI	5922623	Score	158
Exons	9387..9471, 9957..10110, 10298..10374, 10640..10855		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83349	Strand	-
Start	3085	End	9312
Name	OJ000209_12.0317.C5.o1.np	Method	AAT/NAP
Start	3085	End	9312
GI	7228457	Score	9134
Exons	3085..4635, 4702..5515, 5591..5929, 6052..6886, 6950..8885, 8947..9312		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o6.tw	Method	TBLASTX:Wheat
Start	56	End	8656
GI	none	Score	91
Exons	56..100, 8267..8512, 8301..8513, 8507..8605, 8508..8588, 8612..8656		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o3.tw	Method	TBLASTX:Wheat
Start	795	End	7529
GI	none	Score	54
Exons	795..851, 7043..7528, 7074..7334, 7356..7529		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	3082	End	3225
GI	none	Score	126
Exons	3082..3225, 3086..3220		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946

Name	OJ000209_12.0317.C5.o7.tw	Method	TBLASTX:Wheat
Start	3094	End	3696
GI	none	Score	77
Exons	3094..3219, 3098..3220, 3412..3696, 3413..3691		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o4.tw	Method	TBLASTX:Wheat
Start	3697	End	4078
GI	none	Score	224
Exons	3697..4077, 3728..4078		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	3892	End	4215
GI	none	Score	221
Exons	3892..4215, 3905..4186		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o8.tw	Method	TBLASTX:Wheat
Start	4408	End	4729
GI	none	Score	74
Exons	4408..4668, 4544..4729		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o5.tw	Method	TBLASTX:Wheat
Start	4742	End	5158
GI	none	Score	74
Exons	4742..4873, 4773..4862, 4907..5158, 4908..5093, 4934..5158		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	5858	End	6229
GI	none	Score	96
Exons	5858..6229, 6069..6212		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o2.tw	Method	TBLASTX:Wheat
Start	5888	End	6308
GI	none	Score	309
Exons	5888..6307, 5901..6308		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o3.tm	Method	TBLASTX:Maize

Start	5981	End	6365
GI	none	Score	233
Exons	5981..6364, 6000..6365		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	6392	End	6748
GI	none	Score	73
Exons	6392..6508, 6392..6748, 6402..6713		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	6416	End	6879
GI	none	Score	227
Exons	6416..6877, 6422..6877, 6423..6878, 6436..6879		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	6473	End	6838
GI	none	Score	117
Exons	6473..6607, 6614..6838		

Seq. No.	40280	Seq. ID	OJ000209_12.0317.C5
Gene No.	83350	Strand	-
Start	18734	End	18946
Name	OJ000209_12.0317.C5.o5.np	Method	AAT/NAP
Start	18734	End	18946
GI	5042438	Score	84
Exons	18734..18946		
GI Descrip.	(AC007789) hypothetical protein [Oryza sativa]		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83351	Strand	+
Start	4609	End	6986
Name	OJ000209_12.0317.C6.o1.np	Method	AAT/NAP
Start	4609	End	6986
GI	6907106	Score	367
Exons	4609..4885, 6333..6726, 6799..6986		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83352	Strand	+
Start	8267	End	8476
Name	OJ000209_12.0317.C6.o2.np	Method	AAT/NAP
Start	8267	End	8476
GI	82536	Score	382
Exons	8267..8476		
GI Descrip.	hypothetical 8.3K protein (trnI-trnC intergenic region) - rice chloroplast gi|11968|emb|CAA33983| (X15901) ORF70 [Oryza sativa] gi|226686|prf||1603356L ORF 70 [Oryza sativa]		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83353	Strand	+
Start	8704	End	8970
Name	OJ000209_12.0317.C6.o3.np	Method	AAT/NAP
Start	8704	End	8970
GI	82514	Score	465
Exons	8704..8970		
GI Descrip.	hypothetical 10.6K protein (ps12a-trnC intergenic region) - rice chloroplast gi|11967|emb|CAA33982| (X15901) ORF91 [Oryza sativa] gi|226685|prf||1603356K ORF 91 [Oryza sativa]		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83354	Strand	+
Start	16093	End	18673
Name	OJ000209_12.0317.C6.o4.gs	Method	GENSCAN
Start	16093	End	18673
GI	none	Score	.4
Exons	16093..16168, 16762..16819, 16993..17113, 17840..17910, 18072..18673		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83355	Strand	-
Start	7	End	1077
Name	OJ000209_12.0317.C6.o1.gs	Method	GENSCAN
Start	7	End	1077
GI	none	Score	.5
Exons	7..351, 968..1077		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83356	Strand	-
Start	4514	End	7961
Name	OJ000209_12.0317.C6.o2.gs	Method	GENSCAN
Start	4514	End	7961
GI	none	Score	.71
Exons	4514..5299, 5859..6044, 6107..6493, 7117..7284, 7959..7961		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	6459	End	6886
GI	none	Score	35
Exons	6459..6482, 6515..6649, 6529..6885, 6535..6654, 6536..6679, 6641..6676, 6733..6885, 6751..6801, 6830..6886		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	8170	End	8373
GI	none	Score	172
Exons	8170..8313, 8180..8305, 8299..8373, 8300..8371		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841

Name	OJ000209_12.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	9307	End	9579
GI	none	Score	123
Exons	9307..9390, 9308..9391, 9340..9519, 9381..9521, 9384..9521, 9425..9529, 9489..9578, 9511..9579		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	10053	End	10420
GI	none	Score	64
Exons	10053..10112, 10108..10263, 10111..10266, 10193..10270, 10394..10420		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o1.gp	Method	AAT/GAP
Start	10233	End	10407
GI	3069.R1084	Score	243
Exons	10233..10407		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene'		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o3.gs	Method	GENSCAN
Start	11678	End	14755
GI	none	Score	.75
Exons	11678..11712, 11943..12069, 12163..12267, 13388..13580, 13627..13832, 13937..14219, 14496..14755		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o5.np	Method	AAT/NAP
Start	12595	End	18841
GI	6523547	Score	96
Exons	12595..12641, 14481..14853, 16761..16894, 17842..17901, 18194..18391, 18809..18841		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	40281	Seq. ID	OJ000209_12.0317.C6
Gene No.	83357	Strand	-
Start	11678	End	18841
Name	OJ000209_12.0317.C6.o4.np	Method	AAT/NAP
Start	12898	End	14323
GI	5852084	Score	68
Exons	12898..12981, 14272..14323		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83358	Strand	+
Start	1	End	4396

Name	OJ000209_12.0317.C7.o1.np	Method	AAT/NAP
Start	1	End	4396
GI	6466937	Score	2312
Exons	1..3662, 4249..4396		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83359	Strand	+
Start	9493	End	10059
Name	OJ000209_12.0317.C7.o4.gs	Method	GENSCAN
Start	9493	End	10059
GI	none	Score	.65
Exons	9493..9581, 9618..10059		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83360	Strand	-
Start	5496	End	7164
Name	OJ000209_12.0317.C7.o2.gs	Method	GENSCAN
Start	5496	End	7164
GI	none	Score	.66
Exons	5496..5602, 6817..7055, 7070..7164		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83361	Strand	-
Start	7733	End	8999
Name	OJ000209_12.0317.C7.o3.gs	Method	GENSCAN
Start	7733	End	8999
GI	none	Score	.94
Exons	7733..7795, 7918..8101, 8179..8999		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83362	Strand	-
Start	10355	End	10759
Name	OJ000209_12.0317.C7.o1.gp	Method	AAT/GAP
Start	10355	End	10759
GI	none	Score	674
Exons	10355..10759		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o7.tm	Method	TBLASTX:Maize
Start	137	End	967
GI	none	Score	130
Exons	137..307, 308..571, 671..748, 854..967		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	955	End	1438
GI	none	Score	385
Exons	955..1434, 956..1438		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-

Start	10922	End	12064
Name	OJ000209_12.0317.C7.o4.ts	Method	TBLASTX:Soybean
Start	992	End	1306
GI	none	Score	228
Exons	992..1306, 1018..1305		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	1016	End	1492
GI	none	Score	612
Exons	1016..1492, 1021..1482, 1202..1489		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o3.ts	Method	TBLASTX:Soybean
Start	1415	End	1774
GI	none	Score	326
Exons	1415..1774, 1576..1764		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o5.tw	Method	TBLASTX:Wheat
Start	1487	End	1888
GI	none	Score	332
Exons	1487..1888, 1600..1854		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o3.tm	Method	TBLASTX:Maize
Start	1517	End	2038
GI	none	Score	595
Exons	1517..2038, 1519..2037, 1772..2038		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o5.ts	Method	TBLASTX:Soybean
Start	1796	End	2053
GI	none	Score	197
Exons	1796..2053, 1798..1938		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o6.tm	Method	TBLASTX:Maize
Start	2039	End	2464
GI	none	Score	232
Exons	2039..2227, 2039..2173, 2041..2208, 2228..2464		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064

Name	OJ000209_12.0317.C7.o3.tw	Method	TBLASTX:Wheat
Start	2237	End	2629
GI	none	Score	354
Exons	2237..2629, 2360..2629		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	2465	End	3100
GI	none	Score	762
Exons	2465..3100, 2465..2602, 2566..3099, 2639..3100		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o2.ts	Method	TBLASTX:Soybean
Start	2489	End	2872
GI	none	Score	336
Exons	2489..2872, 2602..2871		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o6.tw	Method	TBLASTX:Wheat
Start	2720	End	3100
GI	none	Score	303
Exons	2720..3100, 2812..3099		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o5.tm	Method	TBLASTX:Maize
Start	3104	End	3729
GI	none	Score	35
Exons	3104..3127, 3133..3471, 3134..3505, 3518..3718, 3518..3718, 3523..3729		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o4.tw	Method	TBLASTX:Wheat
Start	3170	End	3511
GI	none	Score	335
Exons	3170..3511, 3193..3480		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o5.gs	Method	GENSCAN
Start	10922	End	11838
GI	none	Score	.91
Exons	10922..11313, 11394..11838		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064

Name	OJ000209_12.0317.C7.o2.np	Method	AAT/NAP
Start	10925	End	12064
GI	3641252	Score	1064
Exons	10925..11313, 11394..12064		
GI Descrip.	(AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	10949	End	11793
GI	none	Score	245
Exons	10949..11002, 11015..11314, 11016..11315, 11110..11316, 11131..11316, 11395..11442, 11396..11443, 11464..11634, 11465..11626, 11520..11648, 11553..11651, 11635..11787, 11651..11788, 11656..11793		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o8.tm	Method	TBLASTX:Maize
Start	11006	End	11240
GI	none	Score	145
Exons	11006..11239, 11007..11240		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	11015	End	11808
GI	none	Score	119
Exons	11015..11170, 11168..11314, 11169..11315, 11183..11350, 11224..11319, 11395..11433, 11396..11434, 11458..11808, 11468..11788		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o4.tm	Method	TBLASTX:Maize
Start	11240	End	11814
GI	none	Score	77
Exons	11240..11314, 11241..11315, 11395..11433, 11396..11434, 11458..11814, 11471..11782		

Seq. No.	40282	Seq. ID	OJ000209_12.0317.C7
Gene No.	83363	Strand	-
Start	10922	End	12064
Name	OJ000209_12.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	11492	End	11814
GI	none	Score	406
Exons	11492..11806, 11494..11814		

Seq. No.	40283	Seq. ID	OJ000119_11.0310.C28
Gene No.	83364	Strand	+
Start	1	End	986
Name	OJ000119_11.0310.C28.o1.gp	Method	AAT/GAP

Start	1	End	986
GI	553_1.R1084	Score	857
Exons	1..281, 369..401, 689..770, 880..986		
GI Descrip.	'218179/dbj|BAA01058| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	40283	Seq. ID	OJ000119_11.0310.C28
Gene No.	83364	Strand	+
Start	1	End	986
Name	OJ000119_11.0310.C28.o1.tc	Method	TBLASTX:Cress
Start	19	End	965
GI	none	Score	304
Exons	19..120, 33..305, 35..280, 369..413, 374..409, 689..769, 690..770, 691..774, 713..772, 878..964, 879..965		

Seq. No.	40283	Seq. ID	OJ000119_11.0310.C28
Gene No.	83364	Strand	+
Start	1	End	986
Name	OJ000119_11.0310.C28.o1.tm	Method	TBLASTX:Maize
Start	22	End	986
GI	none	Score	304
Exons	22..120, 33..305, 35..280, 368..409, 665..772, 688..774, 713..772, 878..982, 878..985, 879..986		

Seq. No.	40283	Seq. ID	OJ000119_11.0310.C28
Gene No.	83364	Strand	+
Start	1	End	986
Name	OJ000119_11.0310.C28.o1.ts	Method	TBLASTX:Soybean
Start	33	End	986
GI	none	Score	299
Exons	33..305, 41..280, 45..293, 182..307, 369..416, 688..774, 713..772, 878..976, 879..986		

Seq. No.	40283	Seq. ID	OJ000119_11.0310.C28
Gene No.	83364	Strand	+
Start	1	End	986
Name	OJ000119_11.0310.C28.o1.tw	Method	TBLASTX:Wheat
Start	33	End	986
GI	none	Score	280
Exons	33..305, 35..280, 369..413, 374..409, 688..774, 713..772, 878..976, 879..986, 930..986		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83365	Strand	+
Start	81	End	765
Name	OJ000119_11.0310.C29.o1.gp	Method	AAT/GAP
Start	81	End	765
GI	553_1.R1084	Score	807
Exons	81..259, 517..765		
GI Descrip.	'218179/dbj|BAA01058| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83366	Strand	+
Start	1244	End	1686
Name	OJ000119_11.0310.C29.o2.gp	Method	AAT/GAP
Start	1244	End	1686

GI	none	Score	853
Exons	1244..1686		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o2.ts	Method	TBLASTX:Soybean
Start	75	End	613
GI	none	Score	215
Exons	75..224, 81..260, 82..261, 515..613, 541..591		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o6.tm	Method	TBLASTX:Maize
Start	75	End	638
GI	none	Score	227
Exons	75..224, 79..258, 80..274, 81..260, 514..612, 515..613, 515..610, 522..638		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o4.tm	Method	TBLASTX:Maize
Start	2377	End	2826
GI	none	Score	42
Exons	2377..2826, 2399..2560, 2594..2815		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o3.ts	Method	TBLASTX:Soybean
Start	2515	End	3465
GI	none	Score	67
Exons	2515..2637, 2653..2763, 2659..2826, 3004..3054, 3079..3327, 3092..3340, 3340..3465, 3374..3451		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o5.tm	Method	TBLASTX:Maize
Start	3118	End	4264
GI	none	Score	115
Exons	3118..3477, 3158..3454, 3800..3898, 3893..4048, 4148..4264		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o8.tw	Method	TBLASTX:Wheat
Start	3181	End	3468
GI	none	Score	94
Exons	3181..3312, 3331..3468		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83367	Strand	-
Start	4436	End	4829
Name	OJ000119_11.0310.C29.o3.gp	Method	AAT/GAP

Start	4436	End	4829
GI	none	Score	763
Exons	4436..4829		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83368	Strand	
Start	9679	End	10077
Name	OJ000119_11.0310.C29.o7.tw	Method	TBLASTX:Wheat
Start	9679	End	10077
GI	none	Score	239
Exons	9679..10077, 9693..9731, 9804..9989		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83369	Strand	
Start	10536	End	10991
Name	OJ000119_11.0310.C29.o4.tw	Method	TBLASTX:Wheat
Start	10536	End	10991
GI	none	Score	146
Exons	10536..10718, 10544..10717, 10755..10991, 10757..10873, 10767..10976		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o1.tw	Method	TBLASTX:Wheat
Start	11183	End	17585
GI	none	Score	536
Exons	11183..11638, 11184..11639, 17490..17585		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	11313	End	11669
GI	none	Score	388
Exons	11313..11669, 11354..11668		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o3.tm	Method	TBLASTX:Maize
Start	11697	End	12080
GI	none	Score	296
Exons	11697..12080, 11801..12076		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o2.tw	Method	TBLASTX:Wheat
Start	11757	End	12178
GI	none	Score	421
Exons	11757..12176, 11801..12178		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o1.ts	Method	TBLASTX:Soybean

Start	11840	End	12233
GI	none	Score	281
Exons	11840..11992, 11841..12233		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o6.tw	Method	TBLASTX:Wheat
Start	12315	End	12747
GI	none	Score	210
Exons	12315..12566, 12340..12564, 12574..12747		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o9.tw	Method	TBLASTX:Wheat
Start	12786	End	13106
GI	none	Score	181
Exons	12786..13106, 12787..13044		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o2.tm	Method	TBLASTX:Maize
Start	13249	End	13554
GI	none	Score	308
Exons	13249..13554, 13266..13553		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o5.tw	Method	TBLASTX:Wheat
Start	13249	End	13632
GI	none	Score	315
Exons	13249..13632, 13257..13445, 13482..13631		

Seq. No.	40284	Seq. ID	OJ000119_11.0310.C29
Gene No.	83370	Strand	
Start	11183	End	17585
Name	OJ000119_11.0310.C29.o3.tw	Method	TBLASTX:Wheat
Start	13756	End	14364
GI	none	Score	356
Exons	13756..14208, 13770..13859, 13905..14012, 14233..14364, 14238..14363		

Seq. No.	40285	Seq. ID	OJ000119_11.0310.C35
Gene No.	83371	Strand	-
Start	196	End	949
Name	OJ000119_11.0310.C35.o1.tc	Method	TBLASTX:Cress
Start	130	End	949
GI	none	Score	96
Exons	130..300, 131..280, 132..302, 208..303, 395..448, 396..446, 517..573, 518..547, 643..768, 677..775, 875..949, 879..944		

Seq. No.	40285	Seq. ID	OJ000119_11.0310.C35
Gene No.	83371	Strand	-
Start	196	End	949

Name	OJ000119_11.0310.C35.o1.gp	Method	AAT/GAP
Start	196	End	548
GI	uC-osflM202077c04b1	Score	275
Exons	196..302, 389..446, 524..548		
GI Descrip.	'6094553/gb|AAF03495.1|AC010676_5 3.0e-21 (AC010676) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40285	Seq. ID	OJ000119_11.0310.C35
Gene No.	83371	Strand	-
Start	196	End	949
Name	OJ000119_11.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	198	End	949
GI	none	Score	103
Exons	198..302, 201..302, 203..307, 208..303, 387..449, 389..448, 392..454, 517..768, 518..775, 875..949, 879..944, 880..945		

Seq. No.	40286	Seq. ID	OJ000119_11.0310.C42
Gene No.	83372	Strand	+
Start	177	End	353
Name	OJ000119_11.0310.C42.o1.gp	Method	AAT/GAP
Start	177	End	353
GI	LIB3431-047-P1-K1-B4	Score	271
Exons	177..353		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-14 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	40287	Seq. ID	OJ000119_11.0310.C50
Gene No.	83373	Strand	-
Start	773	End	2018
Name	OJ000119_11.0310.C50.o1.gp	Method	AAT/GAP
Start	773	End	2018
GI	20973_1.R1084	Score	1072
Exons	773..813, 903..1009, 1218..1322, 1392..1521, 1619..1713, 1857..2018		
GI Descrip.	'2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]'		

Seq. No.	40287	Seq. ID	OJ000119_11.0310.C50
Gene No.	83374	Strand	-
Start	2352	End	2972
Name	OJ000119_11.0310.C50.o1.tm	Method	TBLASTX:Maize
Start	202	End	2625
GI	none	Score	61
Exons	202..237, 203..238, 203..238, 326..406, 326..409, 333..416, 334..414, 758..802, 766..807, 895..1005, 902..1012, 902..1012, 1218..1325, 1218..1325, 1383..1520, 1389..1520, 1429..1521, 1575..1712, 1612..1713, 1617..1721, 1622..1753, 1842..2006, 1842..2009, 2354..2464, 2355..2447, 2357..2461, 2551..2616, 2563..2625		

Seq. No.	40287	Seq. ID	OJ000119_11.0310.C50
Gene No.	83374	Strand	-
Start	2352	End	2972
Name	OJ000119_11.0310.C50.o1.ts	Method	TBLASTX:Soybean
Start	1407	End	2498
GI	none	Score	58
Exons	1407..1535, 1434..1514, 1441..1536, 1612..1710, 1612..1731, 1613..1747, 1833..2033, 1851..2012, 2354..2461, 2357..2461,		

2385..2498

Seq. No.	40287	Seq. ID	OJ000119_11.0310.C50
Gene No.	83374	Strand	-
Start	2352	End	2972
Name	OJ000119_11.0310.C50.o2.gp	Method	AAT/GAP
Start	2352	End	2972
GI	702460	Score	520
Exons	2352..2458, 2566..2664, 2780..2802, 2893..2972		
GI Descrip.	2213597 2.0e-16 (AC000348) T7N9.17 [Arabidopsis thaliana]		

Seq. No.	40288	Seq. ID	OJ000119_11.0310.C51
Gene No.	83375	Strand	+
Start	1822	End	2183
Name	OJ000119_11.0310.C51.o1.gp	Method	AAT/GAP
Start	1822	End	2183
GI	58038_1.R1084	Score	655
Exons	1822..2183		
GI Descrip.	'3549666/emb|CAA20577.1| 4.0e-31 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	40289	Seq. ID	OJ000119_11.0310.C52
Gene No.	83376	Strand	+
Start	1	End	409
Name	OJ000119_11.0310.C52.o1.tm	Method	TBLASTX:Maize
Start	1	End	287
GI	none	Score	204
Exons	1..132, 1..222, 3..227, 9..179, 222..287, 222..278		

Seq. No.	40289	Seq. ID	OJ000119_11.0310.C52
Gene No.	83376	Strand	+
Start	1	End	409
Name	OJ000119_11.0310.C52.o1.tc	Method	TBLASTX:Cress
Start	1	End	155
GI	none	Score	193
Exons	1..129, 3..155		

Seq. No.	40289	Seq. ID	OJ000119_11.0310.C52
Gene No.	83376	Strand	+
Start	1	End	409
Name	OJ000119_11.0310.C52.o1.gp	Method	AAT/GAP
Start	1	End	409
GI	58038_1.R1084	Score	774
Exons	1..409		
GI Descrip.	'3549666/emb|CAA20577.1| 4.0e-31 (AL031394) putative protein [Arabidopsis thaliana]'		

Seq. No.	40289	Seq. ID	OJ000119_11.0310.C52
Gene No.	83376	Strand	+
Start	1	End	409
Name	OJ000119_11.0310.C52.o1.ts	Method	TBLASTX:Soybean
Start	1	End	155
GI	none	Score	194
Exons	1..129, 3..155		

Seq. No.	40290	Seq. ID	OJ000119_11.0310.C55
Gene No.	83377	Strand	-

Start	2607	End	2891
Name	OJ000119_11.0310.C55.o1.tc	Method	TBLASTX:Cress
Start	1201	End	2578
GI	none	Score	581
Exons	1201..1245, 1208..1618, 1217..1495, 1294..1617, 1612..1665, 1688..1834, 1697..1780, 1700..1801, 1702..1830, 1906..2049, 1907..2170, 2444..2578, 2446..2574		

Seq. No.	40290	Seq. ID	OJ000119_11.0310.C55
Gene No.	83377	Strand	-
Start	2607	End	2891
Name	OJ000119_11.0310.C55.o1.ts	Method	TBLASTX:Soybean
Start	1201	End	2584
GI	none	Score	588
Exons	1201..1629, 1208..1618, 1688..1831, 1702..1830, 1910..2074, 1942..2049, 2132..2170, 2444..2584, 2446..2574		

Seq. No.	40290	Seq. ID	OJ000119_11.0310.C55
Gene No.	83377	Strand	-
Start	2607	End	2891
Name	OJ000119_11.0310.C55.o1.tw	Method	TBLASTX:Wheat
Start	1220	End	1531
GI	none	Score	390
Exons	1220..1531, 1220..1414, 1285..1521		

Seq. No.	40290	Seq. ID	OJ000119_11.0310.C55
Gene No.	83377	Strand	-
Start	2607	End	2891
Name	OJ000119_11.0310.C55.o1.tm	Method	TBLASTX:Maize
Start	1232	End	2170
GI	none	Score	516
Exons	1232..1618, 1232..1495, 1288..1617, 1700..1828, 1702..1827, 1924..1983, 1940..2170		

Seq. No.	40290	Seq. ID	OJ000119_11.0310.C55
Gene No.	83377	Strand	-
Start	2607	End	2891
Name	OJ000119_11.0310.C55.o2.tm	Method	TBLASTX:Maize
Start	2444	End	2584
GI	none	Score	184
Exons	2444..2584, 2446..2574		

Seq. No.	40290	Seq. ID	OJ000119_11.0310.C55
Gene No.	83377	Strand	-
Start	2607	End	2891
Name	OJ000119_11.0310.C55.o1.gp	Method	AAT/GAP
Start	2607	End	2891
GI	uC-osroM202017c04a1	Score	566
Exons	2607..2891		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40291	Seq. ID	OJ000119_11.0310.C59
Gene No.	83378	Strand	
Start	86	End	453
Name	OJ000119_11.0310.C59.o1.tm	Method	TBLASTX:Maize
Start	86	End	453

GI	none	Score	182
Exons	86..388, 196..453		

Seq. No.	40292	Seq. ID	OJ000119_11.0310.C63
Gene No.	83379	Strand	+
Start	195	End	825
Name	OJ000119_11.0310.C63.o1.tc	Method	TBLASTX:Cress
Start	177	End	793
GI	none	Score	153
Exons	177..326, 194..310, 439..540, 676..792, 688..768, 690..791,	439..522, 441..557, 441..539, 692..793	

Seq. No.	40292	Seq. ID	OJ000119_11.0310.C63
Gene No.	83379	Strand	+
Start	195	End	825
Name	OJ000119_11.0310.C63.o1.ts	Method	TBLASTX:Soybean
Start	177	End	474
GI	none	Score	161
Exons	177..347, 194..316, 432..473,	439..474	

Seq. No.	40292	Seq. ID	OJ000119_11.0310.C63
Gene No.	83379	Strand	+
Start	195	End	825
Name	OJ000119_11.0310.C63.o1.tm	Method	TBLASTX:Maize
Start	194	End	545
GI	none	Score	96
Exons	194..268, 195..266, 195..269, 439..540, 439..540, 441..545	271..315, 272..316, 273..314,	

Seq. No.	40292	Seq. ID	OJ000119_11.0310.C63
Gene No.	83379	Strand	+
Start	195	End	825
Name	OJ000119_11.0310.C63.o1.gp	Method	AAT/GAP
Start	195	End	825
GI	553_1.R1084	Score	632
Exons	195..314, 442..540, 688..825		
GI Descrip.	'218179/dbj|BAA01058| 0.0e+00 (D10207) H-ATPase [Oryza sativa] >gi_444339_prf__1906387A H ATPase [Oryza sativa]'		

Seq. No.	40293	Seq. ID	OJ000209_11.0307.C1
Gene No.	83380	Strand	+
Start	3133	End	3199
Name	OJ000209_11.0307.C1.o1.gp	Method	AAT/GAP
Start	3133	End	3199
GI	uC-osroM202041f04b1	Score	81
Exons	3133..3199		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	40293	Seq. ID	OJ000209_11.0307.C1
Gene No.	83381	Strand	-
Start	350	End	2959
Name	OJ000209_11.0307.C1.o1.gs	Method	GENSCAN
Start	350	End	2959
GI	none	Score	.46
Exons	350..556, 621..864, 1228..1397, 1519..1609, 1738..1826, 2885..2959		

Seq. No.	40294	Seq. ID	OJ000209_11.0307.C2
Gene No.	83382	Strand	-
Start	4026	End	4258
Name	OJ000209_11.0307.C2.o1.np	Method	AAT/NAP
Start	2802	End	2887
GI	6721547	Score	67
Exons	2802..2887		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	40294	Seq. ID	OJ000209_11.0307.C2
Gene No.	83382	Strand	-
Start	4026	End	4258
Name	OJ000209_11.0307.C2.o2.gs	Method	GENSCAN
Start	4026	End	4258
GI	none	Score	.88
Exons	4026..4080, 4209..4258		

Seq. No.	40294	Seq. ID	OJ000209_11.0307.C2
Gene No.	83383	Strand	
Start	4208	End	4365
Name	OJ000209_11.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	4208	End	4365
GI	none	Score	181
Exons	4208..4354, 4216..4359, 4217..4354, 4228..4365		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83384	Strand	-
Start	1563	End	4029
Name	OJ000209_11.0307.C3.o1.gp	Method	AAT/GAP
Start	1563	End	4029
GI	33786_1.R1084	Score	1418
Exons	1563..1914, 2230..2322, 2493..2543, 2990..3146, 3884..4029		
GI Descrip.	'2829889 2.0e-52 (AC002396) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83385	Strand	-
Start	5584	End	10325
Name	OJ000209_11.0307.C3.o2.gp	Method	AAT/GAP
Start	5358	End	5980
GI	84821_1.R1084	Score	1163
Exons	5358..5980		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83385	Strand	-
Start	5584	End	10325
Name	OJ000209_11.0307.C3.o2.gs	Method	GENSCAN
Start	5584	End	10325
GI	none	Score	.97
Exons	5584..5977, 6054..6205, 6289..6339, 6455..6631, 6765..6857, 6998..7064, 7204..7277, 7516..7597, 7691..7764, 7984..8043, 9033..9798, 9949..10325		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	495	End	1160
GI	none	Score	71
Exons	495..575, 514..588, 555..653, 566..652, 572..655, 574..660, 739..1143, 739..1128, 741..1160		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o2.tc	Method	TBLASTX:Cress
Start	2212	End	3969
GI	none	Score	100
Exons	2212..2325, 2228..2323, 2482..2574, 2490..2543, 2999..3145, 3009..3146, 3026..3148, 3886..3969		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o6.tm	Method	TBLASTX:Maize
Start	2976	End	3148
GI	none	Score	173
Exons	2976..3140, 2980..3141, 2981..3142, 2981..3148, 2982..3143		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o4.ts	Method	TBLASTX:Soybean
Start	3002	End	3963
GI	none	Score	182
Exons	3002..3145, 3009..3143, 3015..3146, 3880..3963		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o3.ts	Method	TBLASTX:Soybean
Start	5734	End	5977
GI	none	Score	34
Exons	5734..5913, 5741..5791, 5858..5896, 5935..5976, 5936..5977		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o4.tm	Method	TBLASTX:Maize
Start	5884	End	6339
GI	none	Score	63
Exons	5884..5976, 5902..5985, 6054..6155, 6055..6159, 6056..6208, 6286..6339		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o5.tm	Method	TBLASTX:Maize
Start	6605	End	9155
GI	none	Score	54

Exons	6605..6652, 6607..6651, 6770..6856, 6774..6857, 6774..6857, 6784..6867, 6997..7053, 6998..7063, 6998..7063, 7000..7071, 7201..7284, 7203..7277, 7228..7284, 7511..7597, 7516..7599, 7516..7596, 7687..7767, 7688..7768, 7688..7774, 7710..7778, 7857..7889, 7864..7890, 7984..8046, 7984..8046, 7989..8063, 7989..8063, 9033..9155, 9037..9153		
Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o3.tm	Method	TBLASTX:Maize
Start	9207	End	9500
GI	none	Score	42
Exons	9207..9236, 9207..9338, 9303..9341, 9330..9500, 9343..9498		
Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o5.ts	Method	TBLASTX:Soybean
Start	9405	End	9576
GI	none	Score	137
Exons	9405..9443, 9447..9575, 9448..9576, 9502..9576		
Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o1.tw	Method	TBLASTX:Wheat
Start	9441	End	9653
GI	none	Score	294
Exons	9441..9653, 9442..9651		
Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o2.np	Method	AAT/NAP
Start	10959	End	13786
GI	7076769	Score	1414
Exons	10959..11083, 11199..11438, 11538..11601, 11760..12280, 12539..12836, 12958..13071, 13157..13786		
GI Descrip.	(AL138658) multi resistance protein homolog [Arabidopsis thaliana]		
Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o3.gs	Method	GENSCAN
Start	10986	End	13741
GI	none	Score	.82
Exons	10986..11083, 11199..11438, 11538..11601, 11760..12280, 12539..12643, 12990..13071, 13157..13741		
Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o1.tc	Method	TBLASTX:Cress
Start	10989	End	13744
GI	none	Score	157

Exons	10989..11111, 11171..11455, 11197..11454, 11760..12107, 11760..12242, 11791..12279, 12618..12638, 12673..12828, 12675..12860, 12907..13062, 12907..13074, 13151..13363, 13166..13309, 13352..13507, 13353..13526, 13694..13744		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o2.tm	Method	TBLASTX:Maize
Start	10989	End	13074
GI	none	Score	61
Exons	10989..11111, 11008..11097, 11194..11451, 11194..11454, 11527..11610, 11760..12134, 11760..12221, 11761..12276, 12432..12458, 12535..12651, 12537..12842, 12721..12840, 12946..13002, 12967..13074		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	10992	End	12746
GI	none	Score	151
Exons	10992..11111, 11194..11454, 11195..11464, 11527..11598, 11752..12033, 11760..12272, 11760..12242, 12085..12276, 12145..12273, 12537..12746		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o2.tw	Method	TBLASTX:Wheat
Start	11263	End	11915
GI	none	Score	69
Exons	11263..11448, 11263..11457, 11267..11452, 11760..11912, 11760..11915, 11761..11913		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o2.ts	Method	TBLASTX:Soybean
Start	12747	End	13526
GI	none	Score	47
Exons	12747..12842, 12967..13074, 13001..13069, 13151..13357, 13154..13297, 13155..13310, 13358..13507, 13374..13526		

Seq. No.	40295	Seq. ID	OJ000209_11.0307.C3
Gene No.	83386	Strand	-
Start	10986	End	13786
Name	OJ000209_11.0307.C3.o7.tm	Method	TBLASTX:Maize
Start	13151	End	13507
GI	none	Score	80
Exons	13151..13339, 13160..13309, 13325..13438, 13358..13507		

Seq. No.	40296	Seq. ID	OJ000209_11.0307.C5
Gene No.	83387	Strand	-
Start	1334	End	2156
Name	OJ000209_11.0307.C5.o1.gs	Method	GENSCAN
Start	1334	End	2156

GI	none	Score	.8
Exons	1334..1498, 2085..2156		

Seq. No.	40297	Seq. ID	OJ000209_11.0307.C6
Gene No.	83388	Strand	+
Start	1	End	462
Name	OJ000209_11.0307.C6.o1.np	Method	AAT/NAP
Start	1	End	462
GI	1935918	Score	116
Exons	1..462		
GI Descrip.	(U93559) putative serine/threonine protein kinase [Brassica rapa]		

Seq. No.	40297	Seq. ID	OJ000209_11.0307.C6
Gene No.	83389	Strand	-
Start	2876	End	3066
Name	OJ000209_11.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	2871	End	3038
GI	none	Score	61
Exons	2871..3038, 2876..3037		

Seq. No.	40297	Seq. ID	OJ000209_11.0307.C6
Gene No.	83389	Strand	-
Start	2876	End	3066
Name	OJ000209_11.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	2875	End	3066
GI	none	Score	128
Exons	2875..3021, 2876..3064, 2879..3022, 2950..3066		

Seq. No.	40297	Seq. ID	OJ000209_11.0307.C6
Gene No.	83389	Strand	-
Start	2876	End	3066
Name	OJ000209_11.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	2876	End	3037
GI	none	Score	82
Exons	2876..3010, 2876..3037		

Seq. No.	40297	Seq. ID	OJ000209_11.0307.C6
Gene No.	83389	Strand	-
Start	2876	End	3066
Name	OJ000209_11.0307.C6.o2.np	Method	AAT/NAP
Start	2876	End	3052
GI	4887235	Score	175
Exons	2876..3052		
GI Descrip.	(AF099937) AGAMOUS homolog transcription factor [Hyacinthus orientalis]		

Seq. No.	40297	Seq. ID	OJ000209_11.0307.C6
Gene No.	83389	Strand	-
Start	2876	End	3066
Name	OJ000209_11.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	2877	End	3037
GI	none	Score	117
Exons	2877..3023, 2882..3022, 2882..3037		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+

Start	316	End	4660
Name	OJ000209_11.0307.C7.o1.gs	Method	GENSCAN
Start	316	End	4660
GI	none	Score	.45
Exons	316..1396, 2118..4660		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o1.np	Method	AAT/NAP
Start	316	End	4657
GI	7444451	Score	7170
Exons	316..4657		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o3.tc	Method	TBLASTX:Cress
Start	376	End	906
GI	none	Score	75
Exons	376..489, 508..906		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o3.tm	Method	TBLASTX:Maize
Start	405	End	831
GI	none	Score	87
Exons	405..494, 406..498, 535..831, 546..773		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o5.tw	Method	TBLASTX:Wheat
Start	646	End	960
GI	none	Score	222
Exons	646..960, 713..808		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o5.tm	Method	TBLASTX:Maize
Start	1156	End	1398
GI	none	Score	116
Exons	1156..1269, 1255..1398		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o2.tw	Method	TBLASTX:Wheat
Start	1237	End	1568
GI	none	Score	376
Exons	1237..1563, 1266..1568		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o4.ts	Method	TBLASTX:Soybean
Start	1682	End	2113
GI	none	Score	68
Exons	1682..1762, 1769..1900, 1925..2113		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o4.tw	Method	TBLASTX:Wheat
Start	1904	End	2518
GI	none	Score	165
Exons	1904..2086, 1933..2085, 2117..2311, 2309..2383, 2378..2518		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o1.tc	Method	TBLASTX:Cress
Start	2090	End	2551
GI	none	Score	352
Exons	2090..2551, 2116..2265, 2327..2449, 2504..2542		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o4.tm	Method	TBLASTX:Maize
Start	2099	End	2524
GI	none	Score	67
Exons	2099..2188, 2210..2524		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o3.ts	Method	TBLASTX:Soybean
Start	2117	End	2536
GI	none	Score	269
Exons	2117..2536		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o2.ts	Method	TBLASTX:Soybean
Start	3104	End	3631
GI	5509260	Score	441
Exons	3104..3367, 3112..3618, 3113..3631		
GI Descrip.	-		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o6.tm	Method	TBLASTX:Maize
Start	3158	End	3424
GI	none	Score	224
Exons	3158..3424, 3166..3384		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o2.tc	Method	TBLASTX:Cress
Start	3245	End	3514
GI	none	Score	287
Exons	3245..3514, 3253..3495		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o3.tw	Method	TBLASTX:Wheat
Start	3295	End	3808
GI	none	Score	289
Exons	3295..3423, 3296..3640, 3448..3636, 3632..3808		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	3427	End	3874
GI	none	Score	397
Exons	3427..3744, 3428..3874, 3781..3828		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o4.tc	Method	TBLASTX:Cress
Start	3692	End	3943
GI	none	Score	207
Exons	3692..3943, 3712..3942		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o1.tw	Method	TBLASTX:Wheat
Start	3809	End	4246
GI	none	Score	443
Exons	3809..4246, 3814..4131, 4201..4245		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o2.tm	Method	TBLASTX:Maize
Start	3997	End	4648
GI	none	Score	299
Exons	3997..4140, 3998..4420, 4198..4404, 4432..4527, 4436..4648		

Seq. No.	40298	Seq. ID	OJ000209_11.0307.C7
Gene No.	83390	Strand	+
Start	316	End	4660
Name	OJ000209_11.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	4010	End	4642
GI	none	Score	508
Exons	4010..4642, 4012..4137, 4198..4401, 4479..4517		

Seq. No.	40299	Seq. ID	OJ000209_11.0307.C8

Gene No.	83391	Strand	-
Start	3000	End	6544
Name	OJ000209_11.0307.C8.o2.gs	Method	GENSCAN
Start	3000	End	6544
GI	none	Score	.81
Exons	3000..3447, 4266..4422, 5622..5748, 5833..5970, 6101..6544		

Seq. No.	40299	Seq. ID	OJ000209_11.0307.C8
Gene No.	83391	Strand	-
Start	3000	End	6544
Name	OJ000209_11.0307.C8.o1.np	Method	AAT/NAP
Start	4034	End	4464
GI	6539570	Score	223
Exons	4034..4104, 4262..4464		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40300	Seq. ID	OJ000209_11.0307.C9
Gene No.	83392	Strand	-
Start	1545	End	1660
Name	OJ000209_11.0307.C9.o1.gs	Method	GENSCAN
Start	1545	End	1660
GI	none	Score	.58
Exons	1545..1660		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83393	Strand	+
Start	87	End	786
Name	OJ000209_11.0307.C10.o1.gs	Method	GENSCAN
Start	87	End	782
GI	none	Score	.74
Exons	87..782		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83393	Strand	+
Start	87	End	786
Name	OJ000209_11.0307.C10.o1.np	Method	AAT/NAP
Start	201	End	786
GI	5640157	Score	279
Exons	201..786		
GI Descrip.	(AJ242531) gibberellin response modulator [Triticum aestivum]		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83394	Strand	+
Start	3191	End	3671
Name	OJ000209_11.0307.C10.o3.gs	Method	GENSCAN
Start	3191	End	3671
GI	none	Score	.97
Exons	3191..3247, 3326..3466, 3549..3671		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83395	Strand	-
Start	2027	End	2330
Name	OJ000209_11.0307.C10.o2.gs	Method	GENSCAN
Start	2027	End	2330
GI	none	Score	.59
Exons	2027..2197, 2283..2330		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83396	Strand	-
Start	4153	End	7186
Name	OJ000209_11.0307.C10.o2.np	Method	AAT/NAP
Start	4150	End	7186
GI	6822068	Score	401
Exons	4150..5297, 7163..7186		
GI Descrip.	(AL132957) SCARECROW1 [Arabidopsis thaliana]		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83396	Strand	-
Start	4153	End	7186
Name	OJ000209_11.0307.C10.o4.gs	Method	GENSCAN
Start	4153	End	5751
GI	none	Score	.77
Exons	4153..5751		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83397	Strand	-
Start	9448	End	12643
Name	OJ000209_11.0307.C10.o6.gs	Method	GENSCAN
Start	9448	End	12643
GI	none	Score	.67
Exons	9448..10222, 11599..12123, 12189..12429, 12547..12643		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83398	Strand	-
Start	14481	End	17539
Name	OJ000209_11.0307.C10.o7.gs	Method	GENSCAN
Start	14481	End	17539
GI	none	Score	.62
Exons	14481..14679, 14860..15663, 16569..17313, 17415..17539		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83398	Strand	-
Start	14481	End	17539
Name	OJ000209_11.0307.C10.o3.np	Method	AAT/NAP
Start	14817	End	17313
GI	7489404	Score	1463
Exons	14817..15663, 16569..17313		
GI Descrip.	peptide transport protein - barley gi|2655098|gb|AAC32034.1| (AF023472) peptide transporter [Hordeum vulgare]		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o2.tm	Method	TBLASTX:Maize
Start	171	End	4782
GI	none	Score	83
Exons	171..317, 330..644, 699..776, 4159..4236, 4291..4605, 4618..4782		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o2.ts	Method	TBLASTX:Soybean
Start	174	End	5028
GI	none	Score	61

Exons	174..317, 330..644, 699..782, 4153..4236, 4291..4605, 4618..4809, 4837..4896, 4903..5028		
Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o2.tc	Method	TBLASTX:Cress
Start	264	End	5016
GI	none	Score	49
Exons	264..308, 321..473, 377..430, 510..644, 518..637, 672..773, 684..776, 4159..4251, 4169..4276, 4291..4425, 4298..4417, 4501..4614, 4505..4558, 4627..4671, 4723..4839, 4837..4908, 4900..5016, 4916..5005		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o1.tw	Method	TBLASTX:Wheat
Start	9448	End	15182
GI	none	Score	155
Exons	9448..9585, 9449..9598, 9631..9783, 9647..9781, 14838..14939, 14838..15182, 14839..14970, 15034..15180		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o1.ts	Method	TBLASTX:Soybean
Start	9454	End	17314
GI	none	Score	90
Exons	9454..9582, 9631..9786, 9844..10173, 10195..10224, 11653..11766, 11661..11783, 11721..11945, 11722..11946, 12221..12448, 12237..12449, 14844..15191, 15034..15192, 15228..15614, 15271..15507, 15589..15615, 16640..16756, 16641..16739, 16694..16981, 16695..16919, 17117..17314, 17127..17294		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o1.tc	Method	TBLASTX:Cress
Start	9460	End	17311
GI	none	Score	67
Exons	9460..9582, 9461..9592, 9631..9786, 9665..9787, 9853..10167, 9869..10174, 11524..11589, 11664..11777, 11665..11766, 11760..11948, 11791..11946, 12030..12068, 12231..12407, 12239..12448, 14850..15191, 15034..15192, 15247..15615, 15249..15608, 16577..16624, 16631..16750, 16656..16739, 16733..16996, 16734..16919, 17105..17311, 17115..17291		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	9460	End	16927
GI	none	Score	107
Exons	9460..9585, 9461..9598, 9631..9786, 9662..9781, 9853..10173, 9869..10174, 11667..11777, 11668..11775, 11760..11885, 11791..11883, 11889..11945, 12030..12059, 14850..15191,		

14851..14970, 15070..15192, 15240..15614, 15241..15615,
16566..16634, 16568..16624, 16625..16750, 16641..16745,
16733..16858, 16734..16856, 16862..16927

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o3.tm	Method	TBLASTX:Maize
Start	12222	End	17311
GI	none	Score	198
Exons	12222..12431, 12224..12430, 17106..17294, 17111..17311, 17198..17308		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o2.tw	Method	TBLASTX:Wheat
Start	12314	End	17479
GI	none	Score	145
Exons	12314..12427, 12315..12470, 12369..12446, 12546..12581, 17198..17314, 17199..17315, 17409..17471, 17410..17472, 17414..17473, 17417..17479		

Seq. No.	40301	Seq. ID	OJ000209_11.0307.C10
Gene No.	83399	Strand	-
Start	17814	End	18945
Name	OJ000209_11.0307.C10.o4.np	Method	AAT/NAP
Start	17814	End	18945
GI	7340920	Score	157
Exons	17814..17929, 18916..18945		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	40302	Seq. ID	OJ000209_11.0307.C11
Gene No.	83400	Strand	-
Start	4712	End	6590
Name	OJ000209_11.0307.C11.o2.gs	Method	GENSCAN
Start	4712	End	6590
GI	none	Score	.55
Exons	4712..4878, 6201..6437, 6439..6590		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83401	Strand	+
Start	194	End	1972
Name	OJ000209_11.0307.C12.o1.gs	Method	GENSCAN
Start	194	End	1972
GI	none	Score	.92
Exons	194..399, 1432..1972		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	58	End	343
GI	none	Score	308
Exons	58..105, 101..343, 142..342		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12

Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o2.ts	Method	TBLASTX:Soybean
Start	119	End	1573
GI	none	Score	116
Exons	119..253, 142..231, 220..348, 233..337, 337..408, 338..424, 1427..1573, 1429..1572		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o2.tc	Method	TBLASTX:Cress
Start	328	End	1660
GI	none	Score	101
Exons	328..408, 338..424, 1427..1609, 1429..1608, 1430..1651, 1482..1649, 1616..1660		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	1575	End	2012
GI	none	Score	202
Exons	1575..1694, 1579..1716, 1580..1717, 1711..1989, 1712..1972, 1893..2012		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	1625	End	2116
GI	none	Score	595
Exons	1625..1972, 1625..1951, 1630..1971, 2018..2116		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	1661	End	1977
GI	none	Score	409
Exons	1661..1972, 1663..1977		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o3.tm	Method	TBLASTX:Maize
Start	2902	End	3223
GI	none	Score	144
Exons	2902..3066, 2903..2944, 2926..3075, 2946..3074, 3139..3222, 3140..3223		

Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o2.np	Method	AAT/NAP
Start	2947	End	4587
GI	6728875	Score	384

Exons	2947..3063, 3136..3225, 3313..3417, 3496..3569, 3899..3995, 4462..4587		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		
Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o2.gs	Method	GENSCAN
Start	2953	End	4587
GI	none	Score	.87
Exons	2953..3063, 3145..3225, 3496..3569, 3899..3995, 4358..4403, 4490..4587		
Seq. No.	40303	Seq. ID	OJ000209_11.0307.C12
Gene No.	83402	Strand	-
Start	2953	End	4587
Name	OJ000209_11.0307.C12.o1.gp	Method	AAT/GAP
Start	3193	End	4581
GI	55926_1.R1084	Score	762
Exons	3193..3225, 3313..3417, 3496..3569, 3899..3995, 4358..4403, 4490..4581		
GI Descrip.	'425685/bbs|138387 3.0e-18 thimet oligopeptidase=soluble angiotensin II-binding protein homolog {EC 3.4.24.15} [rats, testis, Peptide, 687 aa]'		
Seq. No.	40304	Seq. ID	OJ000209_11.0307.C13
Gene No.	83403	Strand	-
Start	210	End	2535
Name	OJ000209_11.0307.C13.o1.np	Method	AAT/NAP
Start	210	End	2535
GI	6728875	Score	569
Exons	210..317, 602..722, 839..1001, 1099..1179, 1386..1490, 1842..1926, 2027..2145, 2394..2535		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		
Seq. No.	40304	Seq. ID	OJ000209_11.0307.C13
Gene No.	83403	Strand	-
Start	210	End	2535
Name	OJ000209_11.0307.C13.o1.tm	Method	TBLASTX:Maize
Start	240	End	1926
GI	none	Score	85
Exons	240..320, 242..334, 243..314, 244..324, 245..334, 601..723, 601..729, 839..967, 840..977, 840..1004, 1072..1158, 1077..1181, 1123..1182, 1133..1177, 1369..1497, 1386..1490, 1803..1925, 1809..1922, 1840..1926		
Seq. No.	40304	Seq. ID	OJ000209_11.0307.C13
Gene No.	83403	Strand	-
Start	210	End	2535
Name	OJ000209_11.0307.C13.o1.gs	Method	GENSCAN
Start	245	End	2525
GI	none	Score	.78
Exons	245..317, 602..722, 839..1001, 1842..1922, 2068..2145, 2394..2525		
Seq. No.	40305	Seq. ID	OJ000209_11.0307.C14
Gene No.	83404	Strand	-

Start	1	End	2109
Name	OJ000209_11.0307.C14.o1.np	Method	AAT/NAP
Start	1	End	1820
GI	6728875	Score	249
Exons	1..47, 485..585, 1009..1172, 1517..1668, 1763..1820		
GI Descrip.	(AC008113) F12A21.14 [Arabidopsis thaliana]		

Seq. No.	40305	Seq. ID	OJ000209_11.0307.C14
Gene No.	83404	Strand	-
Start	1	End	2109
Name	OJ000209_11.0307.C14.o1.gs	Method	GENSCAN
Start	966	End	2109
GI	none	Score	.74
Exons	966..1172, 1517..1638, 1989..2109		

Seq. No.	40305	Seq. ID	OJ000209_11.0307.C14
Gene No.	83405	Strand	-
Start	4785	End	5458
Name	OJ000209_11.0307.C14.o2.gs	Method	GENSCAN
Start	4785	End	5458
GI	none	Score	.62
Exons	4785..4969, 5425..5458		

Seq. No.	40306	Seq. ID	OJ000209_11.0307.C15
Gene No.	83406	Strand	+
Start	3880	End	4464
Name	OJ000209_11.0307.C15.o2.np	Method	AAT/NAP
Start	3880	End	4464
GI	7485868	Score	146
Exons	3880..4324, 4410..4464		
GI Descrip.	hypothetical protein F20D22.11 - Arabidopsis thaliana gi|3142303|gb|AAC16754.1| (AC002411) Strong similarity to MRP-like ABC transporter gb|U92650 from A. thaliana and canalicular multi-drug resistance protein gb|L49379 from Rattus norvegicus. [Arabidopsis thaliana]		

Seq. No.	40306	Seq. ID	OJ000209_11.0307.C15
Gene No.	83407	Strand	-
Start	887	End	1059
Name	OJ000209_11.0307.C15.o1.np	Method	AAT/NAP
Start	887	End	1059
GI	7340860	Score	114
Exons	887..1059		
GI Descrip.	(AP001551) EST D24084(R1183) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40307	Seq. ID	OJ000209_11.0307.C16
Gene No.	83408	Strand	+
Start	1	End	1508
Name	OJ000209_11.0307.C16.o1.np	Method	AAT/NAP
Start	1	End	1508
GI	2316016	Score	1028
Exons	1..1305, 1427..1508		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	40307	Seq. ID	OJ000209_11.0307.C16
Gene No.	83408	Strand	+

Start	1	End	1508
Name	OJ000209_11.0307.C16.o1.tc	Method	TBLASTX:Cress
Start	2	End	1295
GI	none	Score	66
Exons	2..94, 187..282, 235..699, 237..683, 850..966, 873..962, 972..1292, 974..1138, 976..1290, 976..1293, 1170..1295		

Seq. No.	40307	Seq. ID	OJ000209_11.0307.C16
Gene No.	83408	Strand	+
Start	1	End	1508
Name	OJ000209_11.0307.C16.o1.gs	Method	GENSCAN
Start	50	End	1290
GI	none	Score	.68
Exons	50..159, 225..1290		

Seq. No.	40307	Seq. ID	OJ000209_11.0307.C16
Gene No.	83408	Strand	+
Start	1	End	1508
Name	OJ000209_11.0307.C16.o2.ts	Method	TBLASTX:Soybean
Start	238	End	528
GI	none	Score	201
Exons	238..528, 271..405		

Seq. No.	40307	Seq. ID	OJ000209_11.0307.C16
Gene No.	83408	Strand	+
Start	1	End	1508
Name	OJ000209_11.0307.C16.o1.ts	Method	TBLASTX:Soybean
Start	885	End	1303
GI	none	Score	97
Exons	885..971, 886..963, 954..1067, 967..1125, 991..1113, 1126..1290, 1129..1275, 1131..1292, 1166..1303		

Seq. No.	40307	Seq. ID	OJ000209_11.0307.C16
Gene No.	83408	Strand	+
Start	1	End	1508
Name	OJ000209_11.0307.C16.o1.tm	Method	TBLASTX:Maize
Start	1039	End	1292
GI	none	Score	239
Exons	1039..1290, 1050..1292		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83409	Strand	+
Start	1798	End	9183
Name	OJ000229_19.0331.C3.o1.gs	Method	GENSCAN
Start	1798	End	8990
GI	none	Score	.67
Exons	1798..2057, 3383..3500, 3703..4091, 4488..4548, 5419..5609, 5639..5722, 6378..6447, 6956..7464, 8585..8990		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83409	Strand	+
Start	1798	End	9183
Name	OJ000229_19.0331.C3.o1.np	Method	AAT/NAP
Start	2201	End	3718
GI	7228450	Score	208
Exons	2201..2315, 3158..3243, 3383..3500, 3603..3718		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83409	Strand	+
Start	1798	End	9183
Name	OJ000229_19.0331.C3.o2.np	Method	AAT/NAP
Start	3768	End	5881
GI	7242910	Score	86
Exons	3768..3918, 5625..5707, 5777..5881		
GI Descrip.	(AP001383) hypothetical protein [Oryza sativa]		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83409	Strand	+
Start	1798	End	9183
Name	OJ000229_19.0331.C3.o1.gp	Method	AAT/GAP
Start	8539	End	9183
GI	103114_1.R1084	Score	1249
Exons	8539..9183		
GI Descrip.	'2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]'		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83410	Strand	+
Start	11999	End	13472
Name	OJ000229_19.0331.C3.o3.gp	Method	AAT/GAP
Start	11819	End	12265
GI	58827_1.R1084	Score	837
Exons	11819..12265		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83410	Strand	+
Start	11999	End	13472
Name	OJ000229_19.0331.C3.o3.gs	Method	GENSCAN
Start	11999	End	12868
GI	none	Score	.43
Exons	11999..12225, 12691..12868		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83410	Strand	+
Start	11999	End	13472
Name	OJ000229_19.0331.C3.o3.np	Method	AAT/NAP
Start	12002	End	13472
GI	4263782	Score	75
Exons	12002..12135, 13432..13472		
GI Descrip.	(AC006068) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83410	Strand	+
Start	11999	End	13472
Name	OJ000229_19.0331.C3.o4.np	Method	AAT/NAP
Start	12545	End	12619
GI	6630699	Score	74
Exons	12545..12619		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83410	Strand	+
Start	11999	End	13472
Name	OJ000229_19.0331.C3.o5.np	Method	AAT/NAP
Start	12638	End	13253
GI	6539570	Score	226
Exons	12638..12838, 13178..13253		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83411	Strand	-
Start	10504	End	10692
Name	OJ000229_19.0331.C3.o2.gs	Method	GENSCAN
Start	10504	End	10692
GI	none	Score	.79
Exons	10504..10592, 10632..10692		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83412	Strand	-
Start	10629	End	10814
Name	OJ000229_19.0331.C3.o2.gp	Method	AAT/GAP
Start	10629	End	10814
GI	3061021	Score	275
Exons	10629..10814		
GI Descrip.	2642159 2.0e-20 (AC003000) putative mannose-1-phosphate guanyltransferase [Arabidopsis thaliana] >gi_3598958 (AF076484) GDP-mannose pyrophosphorylase [Arabidopsis thaliana] >gi_4151925 (AF108660) CYT1 protein [Arabidopsis thaliana]		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83413	Strand	-
Start	12554	End	12898
Name	OJ000229_19.0331.C3.o5.gp	Method	AAT/GAP
Start	12554	End	12898
GI	286550	Score	681
Exons	12554..12898		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o4.gs	Method	GENSCAN
Start	13186	End	14132
GI	none	Score	.98
Exons	13186..14132		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o2.tm	Method	TBLASTX:Maize
Start	13225	End	13384
GI	none	Score	178
Exons	13225..13380, 13229..13384, 13229..13378, 13234..13383		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o6.gp	Method	AAT/GAP
Start	13226	End	13511
GI	uC-osf1M202071d06b1	Score	512
Exons	13226..13511		
GI Descrip.	'99898/pir||S14181 1.0e-45 DNA-directed RNA polymerase (EC 2.7.7.6) largest chain (isoform B1) - soybean (fragment)'		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o1.tc	Method	TBLASTX:Cress
Start	13229	End	13641
GI	none	Score	397
Exons	13229..13639, 13229..13489, 13231..13641, 13233..13640, 13234..13641		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o1.ts	Method	TBLASTX:Soybean
Start	13232	End	13526
GI	none	Score	313
Exons	13232..13501, 13234..13524, 13235..13501, 13338..13526		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o6.np	Method	AAT/NAP
Start	13233	End	14177
GI	133321	Score	1331
Exons	13233..14177		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE II LARGEST SUBUNIT (VERSION 1) gi|279534|pir||JDMU1 DNA-directed RNA polymerase (EC 2.7.7.6) II largest chain (version 1) - Arabidopsis thaliana gi|16505|emb|CAA37130| (X52954) RNA polymerase II [Arabidopsis thaliana]		

Seq. No.	40308	Seq. ID	OJ000229_19.0331.C3
Gene No.	83414	Strand	-
Start	13186	End	14177
Name	OJ000229_19.0331.C3.o1.tm	Method	TBLASTX:Maize
Start	13384	End	13914
GI	none	Score	393
Exons	13384..13767, 13386..13763, 13387..13767, 13748..13846, 13780..13845, 13830..13880, 13843..13914, 13846..13884		

Seq. No.	40309	Seq. ID	OJ000229_19.0331.C4
Gene No.	83415	Strand	-
Start	772	End	895
Name	OJ000229_19.0331.C4.o1.np	Method	AAT/NAP
Start	772	End	895
GI	6358792	Score	89
Exons	772..895		

GI Descrip. (AC010852) putative U3 small nucleolar ribonucleoprotein protein [Arabidopsis thaliana] gi|6456157|gb|AAF09145.1|AC011622_2 (AC011622) putative U3 small nucleolar ribonucleoprotein protein [Arabidopsis thaliana]

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83416	Strand	+
Start	3715	End	7124
Name	OJ000229_19.0331.C5.o3.gp	Method	AAT/GAP
Start	3715	End	5009
GI	uC-osflcyp037f05b1	Score	573
Exons	3715..3837, 4589..4659, 4754..4835, 4950..5009		
GI Descrip.	'4895238/gb|AAD32823.1|AC007659_5 6.0e-26 (AC007659) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83416	Strand	+
Start	3715	End	7124
Name	OJ000229_19.0331.C5.o2.np	Method	AAT/NAP
Start	3780	End	7012
GI	6688926	Score	466
Exons	3780..3837, 4589..4659, 4754..4835, 4950..5065, 5165..5339, 6335..6447, 6905..7012		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83416	Strand	+
Start	3715	End	7124
Name	OJ000229_19.0331.C5.o3.gs	Method	GENSCAN
Start	4955	End	7015
GI	none	Score	.86
Exons	4955..5065, 5165..5326, 6370..6447, 6905..7015		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83416	Strand	+
Start	3715	End	7124
Name	OJ000229_19.0331.C5.o4.gp	Method	AAT/GAP
Start	6271	End	7124
GI	none	Score	751
Exons	6271..6447, 6905..7124		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83417	Strand	-
Start	1	End	2478
Name	OJ000229_19.0331.C5.o1.np	Method	AAT/NAP
Start	1	End	2397
GI	6358792	Score	620
Exons	1..78, 1342..1427, 1536..1683, 1846..1896, 2009..2118, 2202..2397		
GI Descrip.	(AC010852) putative U3 small nucleolar ribonucleoprotein protein [Arabidopsis thaliana] gi|6456157|gb|AAF09145.1|AC011622_2 (AC011622) putative U3 small nucleolar ribonucleoprotein protein [Arabidopsis thaliana]		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83417	Strand	-
Start	1	End	2478

Name	OJ000229_19.0331.C5.o2.gp	Method	AAT/GAP
Start	1279	End	2478
GI	7844_1.R1084	Score	1176
Exons	1279..1427, 1536..1683, 1846..1896, 2009..2118, 2202..2478		
GI Descrip.	'3881873/emb|CAB05841| 1.0e-44 (Z83246) predicted using Genefinder; cDNA EST EMBL:M79771 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83417	Strand	-
Start	1	End	2478
Name	OJ000229_19.0331.C5.o1.gs	Method	GENSCAN
Start	1540	End	2397
GI	none	Score	.96
Exons	1540..1683, 1846..1896, 2009..2118, 2202..2397		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o2.tm	Method	TBLASTX:Maize
Start	1339	End	1687
GI	none	Score	83
Exons	1339..1425, 1342..1422, 1346..1426, 1538..1615, 1538..1612, 1540..1614, 1618..1686, 1619..1687		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o2.tc	Method	TBLASTX:Cress
Start	1399	End	2397
GI	none	Score	152
Exons	1399..1428, 1532..1684, 1534..1686, 1843..1896, 1846..1917, 2007..2123, 2009..2113, 2209..2397		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o1.tm	Method	TBLASTX:Maize
Start	1858	End	2400
GI	none	Score	61
Exons	1858..1896, 1859..1897, 2004..2066, 2007..2120, 2009..2113, 2209..2400		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o2.gs	Method	GENSCAN
Start	3568	End	4744
GI	none	Score	.92
Exons	3568..3996, 4736..4744		

Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o1.tc	Method	TBLASTX:Cress
Start	4582	End	5299
GI	none	Score	87

Exons	4582..4662, 4590..4664, 4748..4831, 4753..4830, 4936..5073, 4943..5065, 5165..5221, 5210..5299		
Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o1.ts	Method	TBLASTX:Soybean
Start	4582	End	6455
GI	none	Score	96
Exons	4582..4662, 4590..4661, 4748..4831, 4751..4831, 4753..4833, 4943..5065, 4948..5073, 5165..5221, 5222..5314, 6361..6450, 6381..6455		
Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o3.tm	Method	TBLASTX:Maize
Start	4582	End	6449
GI	none	Score	92
Exons	4582..4662, 4590..4661, 4748..4831, 4753..4830, 4936..5070, 4943..5071, 6361..6447, 6384..6449		
Seq. No.	40310	Seq. ID	OJ000229_19.0331.C5
Gene No.	83418	Strand	-
Start	3568	End	7065
Name	OJ000229_19.0331.C5.o4.tm	Method	TBLASTX:Maize
Start	5164	End	7065
GI	none	Score	183
Exons	5164..5328, 5165..5338, 5426..5476, 5435..5485, 6898..7065, 6903..6989		
Seq. No.	40311	Seq. ID	OJ000229_19.0331.C6
Gene No.	83419	Strand	-
Start	335	End	1039
Name	OJ000229_19.0331.C6.o1.gs	Method	GENSCAN
Start	335	End	1039
GI	none	Score	.46
Exons	335..1039		
Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83420	Strand	+
Start	2480	End	3391
Name	OJ000229_19.0331.C8.o2.gs	Method	GENSCAN
Start	2480	End	3391
GI	none	Score	1
Exons	2480..3391		
Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83421	Strand	+
Start	3293	End	3364
Name	OJ000229_19.0331.C8.o3.gp	Method	AAT/GAP
Start	3293	End	3364
GI	LIB3477-001-P1-K1-B11	Score	121
Exons	3293..3364		
GI Descrip.	'544018/sp|Q05085|CHL1_ARATH 5.0e-18 NITRATE/CHLORATE TRANSPORTER >gi_1076359_pir__A45772 nitrate-inducible nitrate transporter - Arabidopsis thaliana >gi_166668 (L10357) CHL1		

[Arabidopsis thaliana] >gi_3157921 (AC002131) Identical to nitrate/chlorate transporter cDNA gb_L10357 from A. thaliana. ESTs gb_H37533 and gb_R29790, gb_T46117, gb_T46068, gb_T75688, gb_R29817, gb_R29'

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83422	Strand	-
Start	851	End	1804
Name	OJ000229_19.0331.C8.o1.gs	Method	GENSCAN
Start	851	End	1804
GI	none	Score	.66
Exons	851..1048, 1171..1293, 1790..1804		

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83423	Strand	-
Start	2361	End	3314
Name	OJ000229_19.0331.C8.o2.gp	Method	AAT/GAP
Start	2361	End	3250
GI	27130_1.R1084	Score	1685
Exons	2361..3250		
GI Descrip.	'602292 3.0e-55 (U17987) RCH2 protein [Brassica napus]'		

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83423	Strand	-
Start	2361	End	3314
Name	OJ000229_19.0331.C8.o1.np	Method	AAT/NAP
Start	2493	End	3313
GI	602292	Score	754
Exons	2493..3313		
GI Descrip.	(U17987) RCH2 protein [Brassica napus]		

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83423	Strand	-
Start	2361	End	3314
Name	OJ000229_19.0331.C8.o1.tm	Method	TBLASTX:Maize
Start	2493	End	3314
GI	none	Score	406
Exons	2493..2912, 2591..2899, 2928..3314, 2954..3313		

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83423	Strand	-
Start	2361	End	3314
Name	OJ000229_19.0331.C8.o1.ts	Method	TBLASTX:Soybean
Start	2577	End	3188
GI	none	Score	270
Exons	2577..2900, 2591..2899, 2943..3038, 2954..3187, 2972..3082, 3108..3188		

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83423	Strand	-
Start	2361	End	3314
Name	OJ000229_19.0331.C8.o1.tc	Method	TBLASTX:Cress
Start	2591	End	3307
GI	none	Score	219
Exons	2591..2683, 2655..2900, 2699..2899, 2954..3031, 3035..3151, 3111..3149, 3152..3307, 3156..3260		

Seq. No.	40312	Seq. ID	OJ000229_19.0331.C8
Gene No.	83423	Strand	-
Start	2361	End	3314
Name	OJ000229_19.0331.C8.o1.tw	Method	TBLASTX:Wheat
Start	2591	End	2890
GI	none	Score	90
Exons	2591..2698, 2699..2890, 2700..2888		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83424	Strand	+
Start	5396	End	6618
Name	OJ000229_19.0331.C9.o4.gs	Method	GENSCAN
Start	5396	End	6618
GI	none	Score	.77
Exons	5396..5725, 6067..6260, 6483..6618		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o1.np	Method	AAT/NAP
Start	1	End	3340
GI	544018	Score	982
Exons	1..230, 1690..1764, 1792..2298, 3008..3340		
GI Descrip.	NITRATE/CHLORATE TRANSPORTER gi|1076359|pir||A45772 nitrate-inducible nitrate transporter - Arabidopsis thaliana gi|166668 (L10357) CHL1 [Arabidopsis thaliana] gi|3157921 (AC002131) Identical to nitrate/chlorate transporter cDNA gb|L10357 from A. thaliana. ESTs gb|H37533 and gb|R29790, gb|T46117, gb|T46068, gb|T75688, gb|R29817, gb|R29862, gb|Z34634 and gb|Z34258		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o2.gs	Method	GENSCAN
Start	751	End	2199
GI	none	Score	.77
Exons	751..877, 1700..2199		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o1.gp	Method	AAT/GAP
Start	1698	End	1971
GI	LIB3477-001-P1-K1-B11	Score	527
Exons	1698..1971		
GI Descrip.	'544018/sp|Q05085|CHL1_ARATH 5.0e-18 NITRATE/CHLORATE TRANSPORTER >gi_1076359_pir__A45772 nitrate-inducible nitrate transporter - Arabidopsis thaliana >gi_166668 (L10357) CHL1 [Arabidopsis thaliana] >gi_3157921 (AC002131) Identical to nitrate/chlorate transporter cDNA gb_L10357 from A. thaliana. ESTs gb_H37533 and gb_R29790, gb_T46117, gb_T46068, gb_T75688, gb_R29817, gb_R29'		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413

Name	OJ000229_19.0331.C9.o1.tc	Method	TBLASTX:Cress
Start	1792	End	3328
GI	none	Score	82
Exons	1792..2145, 1843..2013, 1874..2203, 3008..3328, 3012..3185		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o2.tm	Method	TBLASTX:Maize
Start	1801	End	2068
GI	none	Score	96
Exons	1801..2046, 1843..2016, 1877..2068		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o2.ts	Method	TBLASTX:Soybean
Start	1996	End	2202
GI	none	Score	196
Exons	1996..2202, 2036..2200		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o2.gp	Method	AAT/GAP
Start	2134	End	3413
GI	26752_1.R1084	Score	1098
Exons	2134..2298, 3008..3413		
GI Descrip.	'544018/sp|Q05085|CHL1_ARATH 2.0e-44 NITRATE/CHLORATE TRANSPORTER >gi_1076359_pir__A45772 nitrate-inducible nitrate transporter - Arabidopsis thaliana >gi_166668 (L10357) CHL1 [Arabidopsis thaliana] >gi_3157921 (AC002131) Identical to nitrate/chlorate transporter cDNA gb_L10357 from A. thaliana. ESTs gb_H37533 and gb_R29790, gb_T46117, gb_T46068, gb_T75688, gb_R29817, gb_R29862, gb_'		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o3.gs	Method	GENSCAN
Start	2990	End	3358
GI	none	Score	.43
Exons	2990..3358		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o1.tw	Method	TBLASTX:Wheat
Start	2994	End	3292
GI	none	Score	115
Exons	2994..3179, 3005..3292		

Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o1.tm	Method	TBLASTX:Maize
Start	3008	End	3352

GI	none	Score	107
Exons	3008..3073, 3009..3074, 3071..3325, 3072..3284, 3305..3352		
Seq. No.	40313	Seq. ID	OJ000229_19.0331.C9
Gene No.	83425	Strand	-
Start	1	End	3413
Name	OJ000229_19.0331.C9.o1.ts	Method	TBLASTX:Soybean
Start	3008	End	3343
GI	none	Score	192
Exons	3008..3343, 3018..3185		
Seq. No.	40314	Seq. ID	OJ000229_19.0331.C10
Gene No.	83426	Strand	+
Start	2486	End	3041
Name	OJ000229_19.0331.C10.o1.gs	Method	GENSCAN
Start	2486	End	3041
GI	none	Score	.99
Exons	2486..2647, 2736..3041		
Seq. No.	40314	Seq. ID	OJ000229_19.0331.C10
Gene No.	83427	Strand	-
Start	1	End	8774
Name	OJ000229_19.0331.C10.o1.np	Method	AAT/NAP
Start	1	End	8774
GI	124178	Score	75
Exons	1..42, 2567..2617, 2724..2983, 8553..8774		
GI Descrip.	IMMEDIATE-EARLY PROTEIN IE180 gi|59968|emb|CAA33214| (X15120) immediate-early protein (AA 1-1460) [Pseudorabies virus]		
Seq. No.	40315	Seq. ID	OJ000229_19.0331.C11
Gene No.	83428	Strand	+
Start	597	End	3313
Name	OJ000229_19.0331.C11.o1.np	Method	AAT/NAP
Start	597	End	3313
GI	4883421	Score	2207
Exons	597..961, 1477..1776, 1864..2021, 2112..2273, 2353..2573, 2659..2800, 2899..3313		
GI Descrip.	(AL031986) DNA-directed RNA polymerase (EC 2.7.7.6) II largest chain [Arabidopsis thaliana]		
Seq. No.	40315	Seq. ID	OJ000229_19.0331.C11
Gene No.	83428	Strand	+
Start	597	End	3313
Name	OJ000229_19.0331.C11.o1.gs	Method	GENSCAN
Start	695	End	3234
GI	none	Score	.95
Exons	695..958, 1477..1776, 2112..2273, 2353..2573, 2659..2800, 2899..3234		
Seq. No.	40316	Seq. ID	OJ000229_19.0331.C12
Gene No.	83429	Strand	-
Start	1	End	2369
Name	OJ000229_19.0331.C12.o1.np	Method	AAT/NAP
Start	1	End	2369
GI	100484	Score	953
Exons	1..21, 524..793, 878..2369		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	40316	Seq. ID	OJ000229_19.0331.C12
Gene No.	83429	Strand	-
Start	1	End	2369
Name	OJ000229_19.0331.C12.o2.tw	Method	TBLASTX:Wheat
Start	1072	End	1418
GI	none	Score	38
Exons	1072..1122, 1083..1121, 1131..1229, 1155..1217, 1273..1371, 1275..1373, 1377..1418		

Seq. No.	40316	Seq. ID	OJ000229_19.0331.C12
Gene No.	83429	Strand	-
Start	1	End	2369
Name	OJ000229_19.0331.C12.o1.tm	Method	TBLASTX:Maize
Start	1278	End	1778
GI	none	Score	97
Exons	1278..1553, 1359..1532, 1671..1778		

Seq. No.	40316	Seq. ID	OJ000229_19.0331.C12
Gene No.	83429	Strand	-
Start	1	End	2369
Name	OJ000229_19.0331.C12.o1.tc	Method	TBLASTX:Cress
Start	1323	End	1676
GI	none	Score	261
Exons	1323..1676		

Seq. No.	40316	Seq. ID	OJ000229_19.0331.C12
Gene No.	83429	Strand	-
Start	1	End	2369
Name	OJ000229_19.0331.C12.o1.tw	Method	TBLASTX:Wheat
Start	1419	End	2003
GI	none	Score	58
Exons	1419..1547, 1539..1658, 1545..1664, 1693..1947, 1713..2003		

Seq. No.	40316	Seq. ID	OJ000229_19.0331.C12
Gene No.	83429	Strand	-
Start	1	End	2369
Name	OJ000229_19.0331.C12.o1.ts	Method	TBLASTX:Soybean
Start	1708	End	1991
GI	none	Score	105
Exons	1708..1968, 1713..1991		

Seq. No.	40317	Seq. ID	OJ000229_19.0331.C13
Gene No.	83430	Strand	+
Start	66	End	353
Name	OJ000229_19.0331.C13.o1.gs	Method	GENSCAN
Start	66	End	353
GI	none	Score	.64
Exons	66..353		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o1.np	Method	AAT/NAP
Start	1	End	4606
GI	7486604	Score	1253
Exons	1..79, 175..342, 573..728, 1191..1402, 1451..1711, 2225..2577,		

	4213..4606
GI Descrip.	hypothetical protein F7K2.120 - Arabidopsis thaliana gi|3892709|emb|CAA22159.1| (AL033545) putative protein [Arabidopsis thaliana] gi|7269100|emb|CAB79209.1| (AL161557) putative protein [Arabidopsis thaliana]

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o1.tm	Method	TBLASTX:Maize
Start	2	End	1374
GI	none	Score	70
Exons	2..82, 2..79, 160..360, 161..343, 172..366, 531..755, 571..729, 1197..1364, 1197..1373, 1228..1374		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o1.ts	Method	TBLASTX:Soybean
Start	2	End	705
GI	none	Score	69
Exons	2..79, 3..80, 160..360, 173..343, 531..614, 630..701, 637..705		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o1.tc	Method	TBLASTX:Cress
Start	5	End	1391
GI	none	Score	42
Exons	5..70, 36..62, 161..343, 172..360, 174..371, 175..372, 531..728, 559..729, 571..729, 1192..1362, 1194..1391		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o1.gs	Method	GENSCAN
Start	175	End	4587
GI	none	Score	.58
Exons	175..342, 573..728, 1191..1597, 1859..1994, 2215..2577, 4213..4587		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o2.ts	Method	TBLASTX:Soybean
Start	1186	End	1404
GI	none	Score	210
Exons	1186..1404, 1193..1393, 1194..1403		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o2.tm	Method	TBLASTX:Maize
Start	2212	End	2556
GI	none	Score	113
Exons	2212..2427, 2213..2395, 2443..2556		

Seq. No.	40318	Seq. ID	OJ000229_19.0331.C17
Gene No.	83431	Strand	-
Start	1	End	4606
Name	OJ000229_19.0331.C17.o3.ts	Method	TBLASTX:Soybean
Start	2329	End	2568
GI	none	Score	71
Exons	2329..2568, 2455..2562		

Seq. No.	40319	Seq. ID	OJ000229_19.0331.C18
Gene No.	83432	Strand	+
Start	1	End	4626
Name	OJ000229_19.0331.C18.o1.np	Method	AAT/NAP
Start	1	End	4626
GI	6063557	Score	249
Exons	1..80, 1424..1617, 1866..2002, 4594..4626		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	40319	Seq. ID	OJ000229_19.0331.C18
Gene No.	83432	Strand	+
Start	1	End	4626
Name	OJ000229_19.0331.C18.o1.gs	Method	GENSCAN
Start	80	End	1621
GI	none	Score	.78
Exons	80..151, 1475..1621		

Seq. No.	40319	Seq. ID	OJ000229_19.0331.C18
Gene No.	83432	Strand	+
Start	1	End	4626
Name	OJ000229_19.0331.C18.o2.gs	Method	GENSCAN
Start	3131	End	3917
GI	none	Score	.44
Exons	3131..3241, 3243..3285, 3357..3547, 3816..3917		

Seq. No.	40319	Seq. ID	OJ000229_19.0331.C18
Gene No.	83432	Strand	+
Start	1	End	4626
Name	OJ000229_19.0331.C18.o2.np	Method	AAT/NAP
Start	3220	End	4533
GI	6539571	Score	79
Exons	3220..3355, 3848..3963, 4444..4533		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83433	Strand	+
Start	6542	End	6837
Name	OJ000229_19.0331.C20.o1.gp	Method	AAT/GAP
Start	6542	End	6837
GI	5816559	Score	490
Exons	6542..6837		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83433	Strand	+
Start	6542	End	6837
Name	OJ000229_19.0331.C20.o2.gp	Method	AAT/GAP

Start	6542	End	6837
GI	5816559	Score	487
Exons	6542..6837		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83434	Strand	+
Start	7313	End	10014
Name	OJ000229_19.0331.C20.o2.gs	Method	GENSCAN
Start	7313	End	10014
GI	none	Score	.65
Exons	7313..7331, 7536..7638, 9300..9552, 9573..9608, 9898..10014		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o1.gs	Method	GENSCAN
Start	190	End	6415
GI	none	Score	.84
Exons	190..279, 872..3398, 3495..6415		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o1.np	Method	AAT/NAP
Start	804	End	6415
GI	5922631	Score	5961
Exons	804..2880, 3487..4410, 4537..4688, 4731..5302, 5348..5550, 5785..6032, 6291..6415		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o9.tw	Method	TBLASTX:Wheat
Start	821	End	1027
GI	none	Score	114
Exons	821..1027, 825..995		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o3.tw	Method	TBLASTX:Wheat
Start	1058	End	1445
GI	none	Score	156
Exons	1058..1438, 1058..1444, 1134..1445		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-

Start	190	End	6415
Name	OJ000229_19.0331.C20.o1.tm	Method	TBLASTX:Maize
Start	1088	End	1451
GI	none	Score	67
Exons	1088..1135, 1089..1136, 1107..1442, 1127..1450, 1140..1451		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o8.tw	Method	TBLASTX:Wheat
Start	1448	End	1747
GI	none	Score	132
Exons	1448..1588, 1613..1747		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o4.tm	Method	TBLASTX:Maize
Start	1679	End	1933
GI	none	Score	60
Exons	1679..1933, 1818..1925		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o4.tw	Method	TBLASTX:Wheat
Start	1763	End	2185
GI	none	Score	279
Exons	1763..2185, 1773..2177		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o2.ts	Method	TBLASTX:Soybean
Start	1806	End	2194
GI	none	Score	162
Exons	1806..2186, 1808..2194		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o7.tw	Method	TBLASTX:Wheat
Start	2189	End	2471
GI	none	Score	72
Exons	2189..2470, 2198..2335, 2394..2471		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o2.tm	Method	TBLASTX:Maize
Start	2309	End	2753
GI	none	Score	89
Exons	2309..2335, 2333..2476, 2346..2477, 2498..2752, 2499..2753		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415

Name	OJ000229_19.0331.C20.o1.ts	Method	TBLASTX:Soybean
Start	2420	End	2821
GI	none	Score	51
Exons	2420..2821, 2454..2624, 2618..2788, 2661..2804		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o2.tw	Method	TBLASTX:Wheat
Start	2475	End	2899
GI	none	Score	293
Exons	2475..2855, 2475..2834, 2480..2899		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o3.tm	Method	TBLASTX:Maize
Start	2984	End	3340
GI	none	Score	214
Exons	2984..3340, 2994..3299		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o1.tw	Method	TBLASTX:Wheat
Start	3014	End	3470
GI	none	Score	267
Exons	3014..3469, 3015..3470		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o3.ts	Method	TBLASTX:Soybean
Start	3065	End	3430
GI	none	Score	138
Exons	3065..3199, 3206..3430		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o5.tw	Method	TBLASTX:Wheat
Start	3690	End	4147
GI	none	Score	159
Exons	3690..3926, 3692..3922, 3971..4147		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o5.tm	Method	TBLASTX:Maize
Start	3692	End	3838
GI	none	Score	103
Exons	3692..3838, 3693..3821, 3749..3838		

Seq. No.	40320	Seq. ID	OJ000229_19.0331.C20
Gene No.	83435	Strand	-
Start	190	End	6415
Name	OJ000229_19.0331.C20.o6.tw	Method	TBLASTX:Wheat

Start	4724	End	5126
GI	none	Score	117
Exons	4724..5125, 4857..5126		

Seq. No.	40321	Seq. ID	OJ000229_19.0331.C21
Gene No.	83436	Strand	-
Start	380	End	1983
Name	OJ000229_19.0331.C21.o1.gs	Method	GENSCAN
Start	380	End	1983
GI	none	Score	.84
Exons	380..515, 1865..1983		

Seq. No.	40322	Seq. ID	OJ000229_19.0331.C34
Gene No.	83437	Strand	+
Start	613	End	710
Name	OJ000229_19.0331.C34.o1.gs	Method	GENSCAN
Start	613	End	710
GI	none	Score	.55
Exons	613..710		

Seq. No.	40323	Seq. ID	OJ000119_12.0327.C1
Gene No.	83438	Strand	-
Start	1	End	707
Name	OJ000119_12.0327.C1.o1.np	Method	AAT/NAP
Start	1	End	707
GI	5441880	Score	205
Exons	1..41, 472..707		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40323	Seq. ID	OJ000119_12.0327.C1
Gene No.	83438	Strand	-
Start	1	End	707
Name	OJ000119_12.0327.C1.o1.gs	Method	GENSCAN
Start	93	End	660
GI	none	Score	.57
Exons	93..385, 472..660		

Seq. No.	40324	Seq. ID	OJ000119_12.0327.C3
Gene No.	83439	Strand	+
Start	1	End	1020
Name	OJ000119_12.0327.C3.o1.np	Method	AAT/NAP
Start	1	End	1020
GI	5091513	Score	880
Exons	1..1020		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	40324	Seq. ID	OJ000119_12.0327.C3
Gene No.	83439	Strand	+
Start	1	End	1020
Name	OJ000119_12.0327.C3.o1.gs	Method	GENSCAN
Start	137	End	980
GI	none	Score	.67
Exons	137..254, 361..627, 656..980		

Seq. No.	40325	Seq. ID	OJ000119_12.0327.C5

Gene No.	83440	Strand	+
Start	57	End	1321
Name	OJ000119_12.0327.C5.o2.np	Method	AAT/NAP
Start	57	End	1321
GI	7523512	Score	171
Exons	57..78, 1206..1321		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40325	Seq. ID	OJ000119_12.0327.C5
Gene No.	83440	Strand	+
Start	57	End	1321
Name	OJ000119_12.0327.C5.o1.np	Method	AAT/NAP
Start	775	End	1154
GI	5922623	Score	64
Exons	775..898, 1082..1154		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40326	Seq. ID	OJ000119_12.0327.C8
Gene No.	83441	Strand	+
Start	1	End	723
Name	OJ000119_12.0327.C8.o1.np	Method	AAT/NAP
Start	1	End	723
GI	7106512	Score	349
Exons	1..34, 385..723		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40326	Seq. ID	OJ000119_12.0327.C8
Gene No.	83441	Strand	+
Start	1	End	723
Name	OJ000119_12.0327.C8.o1.gs	Method	GENSCAN
Start	385	End	694
GI	none	Score	.62
Exons	385..694		

Seq. No.	40327	Seq. ID	OJ000119_12.0327.C9
Gene No.	83442	Strand	-
Start	230	End	1220
Name	OJ000119_12.0327.C9.o1.gs	Method	GENSCAN
Start	230	End	1220
GI	none	Score	.92
Exons	230..412, 1091..1220		

Seq. No.	40328	Seq. ID	OJ000119_12.0327.C10
Gene No.	83443	Strand	-
Start	194	End	605
Name	OJ000119_12.0327.C10.o1.gs	Method	GENSCAN
Start	194	End	605
GI	none	Score	.92
Exons	194..234, 476..605		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83444	Strand	+
Start	1	End	2880
Name	OJ000119_12.0327.C12.o1.np	Method	AAT/NAP

Start	1	End	2868
GI	6691716	Score	1982
Exons	1..841, 1039..1216, 1293..1393, 1472..1651, 1729..1915, 1990..2092, 2242..2355, 2429..2868		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83444	Strand	+
Start	1	End	2880
Name	OJ000119_12.0327.C12.o1.gs	Method	GENSCAN
Start	406	End	2880
GI	none	Score	.79
Exons	406..837, 924..1216, 1293..1651, 1717..1806, 1833..1915, 1990..2179, 2242..2355, 2429..2505, 2536..2880		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83445	Strand	+
Start	9028	End	9787
Name	OJ000119_12.0327.C12.o1.gp	Method	AAT/GAP
Start	9028	End	9787
GI	5816562	Score	642
Exons	9028..9044, 9375..9787		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83446	Strand	+
Start	11863	End	13437
Name	OJ000119_12.0327.C12.o4.gs	Method	GENSCAN
Start	11863	End	13437
GI	none	Score	.61
Exons	11863..13437		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83446	Strand	+
Start	11863	End	13437
Name	OJ000119_12.0327.C12.o3.np	Method	AAT/NAP
Start	11971	End	13436
GI	7267604	Score	583
Exons	11971..13436		
GI Descrip.	(AL161491) putative flavonol glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83447	Strand	-
Start	3210	End	10979
Name	OJ000119_12.0327.C12.o2.gs	Method	GENSCAN
Start	3210	End	4676
GI	none	Score	.67
Exons	3210..4676		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83447	Strand	-
Start	3210	End	10979
Name	OJ000119_12.0327.C12.o2.np	Method	AAT/NAP

Start	3246	End	9328
GI	5922631	Score	6656
Exons	3246..5770, 6377..7303, 7430..7581, 7624..8203, 8249..8443, 8702..8946, 9205..9328		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83447	Strand	-
Start	3210	End	10979
Name	OJ000119_12.0327.C12.o3.gs	Method	GENSCAN
Start	4854	End	10979
GI	none	Score	.49
Exons	4854..6288, 6385..7051, 7190..8150, 8358..9281, 9759..9920, 10920..10979		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o4.tw	Method	TBLASTX:Wheat
Start	3222	End	3833
GI	none	Score	80
Exons	3222..3353, 3345..3446, 3444..3833, 3550..3672, 3724..3813		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o6.tm	Method	TBLASTX:Maize
Start	3261	End	3521
GI	none	Score	102
Exons	3261..3362, 3262..3363, 3262..3363, 3342..3488, 3343..3402, 3444..3521		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o7.tm	Method	TBLASTX:Maize
Start	3603	End	3876
GI	none	Score	56
Exons	3603..3689, 3702..3782, 3712..3786, 3769..3876, 3777..3875		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o3.tw	Method	TBLASTX:Wheat
Start	3948	End	4335
GI	none	Score	111
Exons	3948..4139, 3948..4334, 4024..4335		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459

Name	OJ000119_12.0327.C12.o1.tm	Method	TBLASTX:Maize
Start	4017	End	4343
GI	none	Score	258
Exons	4017..4340, 4018..4341, 4035..4343		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o10.tw	Method	TBLASTX:Wheat
Start	4338	End	4637
GI	none	Score	132
Exons	4338..4436, 4503..4637		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o5.tw	Method	TBLASTX:Wheat
Start	4653	End	5075
GI	none	Score	209
Exons	4653..5075, 4729..5070		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o3.ts	Method	TBLASTX:Soybean
Start	4696	End	5084
GI	none	Score	112
Exons	4696..4935, 4698..4940, 4980..5084, 4990..5076		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o8.tw	Method	TBLASTX:Wheat
Start	5076	End	5360
GI	none	Score	62
Exons	5076..5171, 5079..5360, 5253..5351		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o2.ts	Method	TBLASTX:Soybean
Start	5310	End	5711
GI	none	Score	129
Exons	5310..5711, 5551..5694		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o2.tw	Method	TBLASTX:Wheat
Start	5365	End	5789
GI	none	Score	260
Exons	5365..5745, 5367..5789		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o4.tm	Method	TBLASTX:Maize

Start	5463	End	5846
GI	none	Score	163
Exons	5463..5846, 5464..5742		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o3.tm	Method	TBLASTX:Maize
Start	5874	End	6230
GI	none	Score	201
Exons	5874..6230, 5884..6189		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o1.tw	Method	TBLASTX:Wheat
Start	5904	End	6360
GI	none	Score	273
Exons	5904..6359, 5905..6360		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o4.ts	Method	TBLASTX:Soybean
Start	5955	End	6320
GI	none	Score	130
Exons	5955..6089, 6096..6320		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o6.tw	Method	TBLASTX:Wheat
Start	6360	End	7037
GI	none	Score	136
Exons	6360..6533, 6580..6816, 6582..6812, 6861..7037		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o7.tw	Method	TBLASTX:Wheat
Start	7617	End	8019
GI	none	Score	125
Exons	7617..8018, 7711..8019		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o5.tm	Method	TBLASTX:Maize
Start	11974	End	12288
GI	none	Score	142
Exons	11974..12081, 11974..12081, 12073..12174, 12096..12173, 12246..12287, 12247..12288		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o2.tm	Method	TBLASTX:Maize

Start	12175	End	13205
GI	none	Score	48
Exons	12175..12234, 12295..12417, 12616..12696, 12693..12749, 12694..12750, 12795..12989, 12796..12927, 12921..13205, 12922..13200		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o1.ts	Method	TBLASTX:Soybean
Start	12340	End	13374
GI	none	Score	60
Exons	12340..12420, 12502..12639, 12709..12765, 12760..12921, 12780..12929, 12964..13200, 12966..13175, 13063..13194, 13297..13374		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o1.tc	Method	TBLASTX:Cress
Start	12690	End	13200
GI	none	Score	142
Exons	12690..12737, 12712..12921, 12780..12920, 12966..13199, 12970..13200		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o9.tw	Method	TBLASTX:Wheat
Start	12861	End	13218
GI	none	Score	57
Exons	12861..12911, 12862..12915, 12888..12974, 12948..13094, 12972..13217, 12973..13218		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o8.tm	Method	TBLASTX:Maize
Start	13219	End	13416
GI	none	Score	166
Exons	13219..13380, 13224..13412, 13363..13416		

Seq. No.	40329	Seq. ID	OJ000119_12.0327.C12
Gene No.	83448	Strand	-
Start	14034	End	14459
Name	OJ000119_12.0327.C12.o5.gs	Method	GENSCAN
Start	14034	End	14459
GI	none	Score	.5
Exons	14034..14163, 14365..14459		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83449	Strand	+
Start	54	End	1565
Name	OJ000119_12.0327.C13.o1.gs	Method	GENSCAN
Start	54	End	1565
GI	none	Score	.74
Exons	54..376, 1475..1565		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83450	Strand	+
Start	2770	End	3362
Name	OJ000119_12.0327.C13.o2.gs	Method	GENSCAN
Start	2770	End	3362
GI	none	Score	.8
Exons	2770..2878, 3322..3362		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83451	Strand	+
Start	12383	End	16313
Name	OJ000119_12.0327.C13.o6.gs	Method	GENSCAN
Start	12383	End	16313
GI	none	Score	.66
Exons	12383..12453, 13176..13212, 13817..13908, 14262..14518, 16255..16313		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83452	Strand	-
Start	3890	End	4135
Name	OJ000119_12.0327.C13.o3.gs	Method	GENSCAN
Start	3890	End	4135
GI	none	Score	.51
Exons	3890..4135		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83453	Strand	-
Start	6661	End	9852
Name	OJ000119_12.0327.C13.o4.gs	Method	GENSCAN
Start	6661	End	9852
GI	none	Score	.52
Exons	6661..6719, 7220..7325, 8018..8039, 9295..9494, 9793..9852		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83454	Strand	-
Start	10426	End	14363
Name	OJ000119_12.0327.C13.o1.tc	Method	TBLASTX:Cress
Start	96	End	4084
GI	none	Score	163
Exons	96..299, 97..300, 3896..4084, 3897..4040		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83454	Strand	-
Start	10426	End	14363
Name	OJ000119_12.0327.C13.o1.ts	Method	TBLASTX:Soybean
Start	96	End	4081
GI	none	Score	93
Exons	96..299, 97..258, 105..293, 3896..4081		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83454	Strand	-
Start	10426	End	14363
Name	OJ000119_12.0327.C13.o1.tm	Method	TBLASTX:Maize
Start	96	End	4081
GI	none	Score	86
Exons	96..299, 97..255, 102..308, 3896..4081, 3897..4040, 3902..4045		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83454	Strand	-
Start	10426	End	14363
Name	OJ000119_12.0327.C13.o5.gs	Method	GENSCAN
Start	10426	End	11826
GI	none	Score	.56
Exons	10426..10892, 10914..11026, 11274..11689, 11794..11826		

Seq. No.	40330	Seq. ID	OJ000119_12.0327.C13
Gene No.	83454	Strand	-
Start	10426	End	14363
Name	OJ000119_12.0327.C13.o1.np	Method	AAT/NAP
Start	10480	End	14363
GI	7106512	Score	1318
Exons	10480..10863, 10918..11890, 14247..14363		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40331	Seq. ID	OJ000119_12.0327.C14
Gene No.	83455	Strand	+
Start	308	End	538
Name	OJ000119_12.0327.C14.o1.gs	Method	GENSCAN
Start	308	End	538
GI	none	Score	.65
Exons	308..316, 443..538		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83456	Strand	+
Start	1505	End	7027
Name	OJ000119_12.0327.C15.o2.np	Method	AAT/NAP
Start	1505	End	7027
GI	5295955	Score	223
Exons	1505..1524, 5602..5757, 6483..7027		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83456	Strand	+
Start	1505	End	7027
Name	OJ000119_12.0327.C15.o1.gs	Method	GENSCAN
Start	1564	End	1686
GI	none	Score	.97
Exons	1564..1686		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83456	Strand	+
Start	1505	End	7027
Name	OJ000119_12.0327.C15.o1.gp	Method	AAT/GAP
Start	2023	End	3644
GI	2310235	Score	296
Exons	2023..2060, 2510..2650, 3624..3644		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83456	Strand	+

Start	1505	End	7027
Name	OJ000119_12.0327.C15.o1.np	Method	AAT/NAP
Start	2510	End	4593
GI	4680203	Score	2196
Exons	2510..4183, 4337..4593		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83456	Strand	+
Start	1505	End	7027
Name	OJ000119_12.0327.C15.o2.gp	Method	AAT/GAP
Start	2514	End	4771
GI	342_1.R1084	Score	3726
Exons	2514..4771		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83457	Strand	-
Start	4923	End	5032
Name	OJ000119_12.0327.C15.o4.gp	Method	AAT/GAP
Start	4923	End	5032
GI	uC-osflcyp088b12b1	Score	154
Exons	4923..5032		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o4.tw	Method	TBLASTX:Wheat
Start	2817	End	3218
GI	none	Score	99
Exons	2817..2969, 2952..3203, 2962..3213, 2966..3202, 2973..3218		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o1.ts	Method	TBLASTX:Soybean
Start	3134	End	3563
GI	none	Score	103
Exons	3134..3217, 3135..3209, 3210..3272, 3267..3563, 3321..3545		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o1.tc	Method	TBLASTX:Cress
Start	3296	End	3644
GI	none	Score	288
Exons	3296..3448, 3303..3644, 3488..3625		

Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o1.tw	Method	TBLASTX:Wheat
Start	3432	End	3900
GI	none	Score	72

Exons	3432..3485, 3440..3484, 3486..3590, 3497..3586, 3594..3692, 3599..3691, 3602..3694, 3672..3782, 3692..3796, 3695..3778, 3785..3895, 3787..3900, 3796..3900		
Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o1.tm	Method	TBLASTX:Maize
Start	3477	End	3934
GI	none	Score	244
Exons	3477..3716, 3489..3731, 3497..3730, 3785..3934		
Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o2.ts	Method	TBLASTX:Soybean
Start	3785	End	4006
GI	none	Score	196
Exons	3785..4006		
Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o3.tw	Method	TBLASTX:Wheat
Start	4039	End	4470
GI	none	Score	82
Exons	4039..4140, 4040..4102, 4088..4330, 4108..4290, 4358..4465, 4359..4469, 4363..4470, 4364..4468		
Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o2.tm	Method	TBLASTX:Maize
Start	4427	End	4772
GI	none	Score	70
Exons	4427..4627, 4494..4772, 4505..4768		
Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o2.tw	Method	TBLASTX:Wheat
Start	4475	End	4772
GI	none	Score	389
Exons	4475..4771, 4476..4772		
Seq. No.	40332	Seq. ID	OJ000119_12.0327.C15
Gene No.	83458	Strand	-
Start	6518	End	6885
Name	OJ000119_12.0327.C15.o3.gs	Method	GENSCAN
Start	6518	End	6885
GI	none	Score	.98
Exons	6518..6640, 6796..6885		
Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83459	Strand	+
Start	1	End	1721
Name	OJ000119_12.0327.C16.o1.np	Method	AAT/NAP

Start	1	End	1408
GI	4680203	Score	953
Exons	1..23, 430..1408		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83459	Strand	+
Start	1	End	1721
Name	OJ000119_12.0327.C16.o1.gp	Method	AAT/GAP
Start	353	End	1721
GI	342_1.R1084	Score	1823
Exons	353..1500, 1631..1721		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83459	Strand	+
Start	1	End	1721
Name	OJ000119_12.0327.C16.o1.gs	Method	GENSCAN
Start	371	End	1447
GI	none	Score	.56
Exons	371..1447		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83460	Strand	-
Start	1048	End	4715
Name	OJ000119_12.0327.C16.o2.gp	Method	AAT/GAP
Start	1048	End	4715
GI	LIB3431-028-P1-N1-A10	Score	774
Exons	1048..1394, 4645..4715		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83460	Strand	-
Start	1048	End	4715
Name	OJ000119_12.0327.C16.o2.gs	Method	GENSCAN
Start	2090	End	3824
GI	none	Score	.93
Exons	2090..2551, 2571..2863, 3743..3824		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83460	Strand	-
Start	1048	End	4715
Name	OJ000119_12.0327.C16.o2.np	Method	AAT/NAP
Start	2392	End	3763
GI	5852179	Score	230
Exons	2392..2609, 2684..2885, 3743..3763		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83461	Strand	-
Start	5553	End	5702
Name	OJ000119_12.0327.C16.o1.tc	Method	TBLASTX:Cress
Start	352	End	772
GI	none	Score	158
Exons	352..768, 353..457, 358..762, 362..772, 503..772		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83461	Strand	-
Start	5553	End	5702
Name	OJ000119_12.0327.C16.o1.tw	Method	TBLASTX:Wheat
Start	352	End	1354
GI	none	Score	162
Exons	352..939, 353..457, 358..762, 503..955, 949..993, 950..994, 997..1092, 1001..1060, 1066..1179, 1067..1180, 1193..1273, 1262..1354		

Seq. No.	40333	Seq. ID	OJ000119_12.0327.C16
Gene No.	83461	Strand	-
Start	5553	End	5702
Name	OJ000119_12.0327.C16.o3.gs	Method	GENSCAN
Start	5553	End	5702
GI	none	Score	.99
Exons	5553..5702		

Seq. No.	40334	Seq. ID	OJ000119_12.0327.C17
Gene No.	83462	Strand	+
Start	627	End	2525
Name	OJ000119_12.0327.C17.o1.np	Method	AAT/NAP
Start	627	End	2525
GI	4680204	Score	792
Exons	627..2025, 2121..2525		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40334	Seq. ID	OJ000119_12.0327.C17
Gene No.	83462	Strand	+
Start	627	End	2525
Name	OJ000119_12.0327.C17.o1.gs	Method	GENSCAN
Start	642	End	2262
GI	none	Score	.46
Exons	642..906, 959..1154, 1581..1860, 2121..2262		

Seq. No.	40334	Seq. ID	OJ000119_12.0327.C17
Gene No.	83463	Strand	-
Start	822	End	1091
Name	OJ000119_12.0327.C17.o1.gp	Method	AAT/GAP
Start	822	End	1091
GI	2310235	Score	378
Exons	822..1091		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	40334	Seq. ID	OJ000119_12.0327.C17
Gene No.	83464	Strand	
Start	1015	End	2333
Name	OJ000119_12.0327.C17.o2.tw	Method	TBLASTX:Wheat
Start	1015	End	2333
GI	none	Score	49
Exons	1015..1140, 1957..2031, 2114..2188, 2115..2333		

Seq. No.	40334	Seq. ID	OJ000119_12.0327.C17
Gene No.	83464	Strand	
Start	1015	End	2333

Name	OJ000119_12.0327.C17.o1.tw	Method	TBLASTX:Wheat
Start	1339	End	1677
GI	none	Score	140
Exons	1339..1437, 1340..1501, 1525..1641, 1560..1640, 1645..1677, 1651..1671		

Seq. No.	40335	Seq. ID	OJ000119_12.0327.C19
Gene No.	83465	Strand	-
Start	1	End	522
Name	OJ000119_12.0327.C19.o1.gp	Method	AAT/GAP
Start	1	End	522
GI	21474_1.R1084	Score	163
Exons	1..102, 497..522		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83466	Strand	+
Start	77	End	6164
Name	OJ000119_12.0327.C20.o1.gs	Method	GENSCAN
Start	77	End	1056
GI	none	Score	.44
Exons	77..404, 994..1056		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83466	Strand	+
Start	77	End	6164
Name	OJ000119_12.0327.C20.o1.np	Method	AAT/NAP
Start	156	End	6158
GI	7485468	Score	710
Exons	156..404, 4598..5142, 5239..5313, 5417..5467, 5575..5932, 6036..6158		
GI Descrip.	hypothetical protein F13P17.20 - Arabidopsis thaliana gi|3337367|gb|AAC27412.1| (AC004481) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83466	Strand	+
Start	77	End	6164
Name	OJ000119_12.0327.C20.o1.gp	Method	AAT/GAP
Start	284	End	4781
GI	702088	Score	569
Exons	284..404, 4598..4781		
GI Descrip.	4734010/gb|AAD28687.1|AC007178_7 5.0e-13 (AC007178) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83466	Strand	+
Start	77	End	6164
Name	OJ000119_12.0327.C20.o2.gs	Method	GENSCAN
Start	4604	End	6164
GI	none	Score	.79
Exons	4604..5142, 5242..5328, 5411..5467, 5575..5932, 6036..6164		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83466	Strand	+
Start	77	End	6164

Name	OJ000119_12.0327.C20.o2.gp	Method	AAT/GAP
Start	5593	End	6102
GI	80079_1.R1084	Score	762
Exons	5593..5932, 6036..6102		
GI Descrip.	'4734007/gb|AAD28684.1|AC007178_4 2.0e-18 (AC007178) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83467	Strand	+
Start	13934	End	20133
Name	OJ000119_12.0327.C20.o2.np	Method	AAT/NAP
Start	13934	End	20133
GI	7228457	Score	9185
Exons	13934..14300, 14362..16296, 16360..17194, 17317..17655, 17704..18516, 18583..20133		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83468	Strand	-
Start	20761	End	24506
Name	OJ000119_12.0327.C20.o5.gs	Method	GENSCAN
Start	20761	End	24506
GI	none	Score	.65
Exons	20761..20954, 21004..21668, 21827..22621, 22719..23999, 24300..24458, 24478..24506		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83468	Strand	-
Start	20761	End	24506
Name	OJ000119_12.0327.C20.o3.np	Method	AAT/NAP
Start	20764	End	23980
GI	6907089	Score	4362
Exons	20764..22621, 22719..23980		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o5.tm	Method	TBLASTX:Maize
Start	209	End	16214
GI	none	Score	240
Exons	209..403, 237..404, 300..410, 15977..16018, 16113..16214		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o2.tc	Method	TBLASTX:Cress
Start	221	End	4686
GI	none	Score	203
Exons	221..406, 228..407, 4600..4686, 4601..4675		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o1.ts	Method	TBLASTX:Soybean

Start	261	End	5326
GI	none	Score	88
Exons	261..407, 4562..4909, 4600..4686, 4991..5140, 5044..5139, 5234..5299, 5243..5326		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o2.tm	Method	TBLASTX:Maize
Start	4562	End	21272
GI	none	Score	171
Exons	4562..4909, 4562..4681, 4600..4830, 4991..5140, 5243..5326, 5432..5467, 5573..5632, 5717..5917, 5797..5910, 21117..21272		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o1.tc	Method	TBLASTX:Cress
Start	5674	End	6142
GI	none	Score	214
Exons	5674..5922, 5705..5932, 6035..6142, 6036..6122		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o4.ts	Method	TBLASTX:Soybean
Start	5779	End	6113
GI	none	Score	140
Exons	5779..5910, 5786..5917, 6036..6113		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o7.tw	Method	TBLASTX:Wheat
Start	14591	End	14980
GI	none	Score	54
Exons	14591..14635, 14642..14740, 14659..14739, 14707..14946, 14723..14980		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o6.tm	Method	TBLASTX:Maize
Start	14594	End	14878
GI	none	Score	196
Exons	14594..14866, 14630..14878, 14632..14877		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o3.tw	Method	TBLASTX:Wheat
Start	15717	End	16203
GI	none	Score	407
Exons	15717..15890, 15718..16203, 15912..16172		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-

Start	24622	End	24702
Name	OJ000119_12.0327.C20.o1.tw	Method	TBLASTX:Wheat
Start	16367	End	16830
GI	none	Score	211
Exons	16367..16810, 16368..16823, 16369..16830, 16369..16830		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o5.ts	Method	TBLASTX:Soybean
Start	16408	End	16773
GI	none	Score	117
Exons	16408..16632, 16639..16773		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o1.tm	Method	TBLASTX:Maize
Start	16498	End	16854
GI	none	Score	385
Exons	16498..16854, 16533..16844, 16738..16854		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o4.tm	Method	TBLASTX:Maize
Start	16881	End	17265
GI	none	Score	361
Exons	16881..17246, 16882..17265		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o2.tw	Method	TBLASTX:Wheat
Start	16938	End	17358
GI	none	Score	474
Exons	16938..17333, 16939..17358		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o2.ts	Method	TBLASTX:Soybean
Start	17017	End	17388
GI	none	Score	264
Exons	17017..17388, 17034..17177		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o5.tw	Method	TBLASTX:Wheat
Start	18037	End	18495
GI	none	Score	236
Exons	18037..18285, 18061..18312, 18126..18302, 18346..18495, 18357..18494		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-

Start	24622	End	24702
Name	OJ000119_12.0327.C20.o3.ts	Method	TBLASTX:Soybean
Start	18184	End	18750
GI	5666795	Score	68
Exons	18184..18282, 18358..18495, 18550..18750		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o8.tw	Method	TBLASTX:Wheat
Start	18498	End	18810
GI	none	Score	194
Exons	18498..18674, 18550..18810		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o3.tm	Method	TBLASTX:Maize
Start	19003	End	19346
GI	none	Score	362
Exons	19003..19326, 19032..19313, 19197..19346		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o4.tw	Method	TBLASTX:Wheat
Start	19140	End	19521
GI	none	Score	375
Exons	19140..19490, 19141..19521		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o6.tw	Method	TBLASTX:Wheat
Start	19522	End	20121
GI	none	Score	265
Exons	19522..19806, 19527..19805, 19894..19968, 19998..20120, 19999..20121		

Seq. No.	40336	Seq. ID	OJ000119_12.0327.C20
Gene No.	83469	Strand	-
Start	24622	End	24702
Name	OJ000119_12.0327.C20.o4.np	Method	AAT/NAP
Start	24622	End	24702
GI	7523512	Score	109
Exons	24622..24702		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40337	Seq. ID	OJ000119_12.0327.C21
Gene No.	83470	Strand	+
Start	1	End	3467
Name	OJ000119_12.0327.C21.o1.np	Method	AAT/NAP
Start	1	End	3346
GI	5042454	Score	73
Exons	1..40, 3283..3346		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40337	Seq. ID	OJ000119_12.0327.C21
Gene No.	83470	Strand	+
Start	1	End	3467
Name	OJ000119_12.0327.C21.o2.gs	Method	GENSCAN
Start	2529	End	3467
GI	none	Score	.66
Exons	2529..2589, 2774..2925, 3293..3467		

Seq. No.	40337	Seq. ID	OJ000119_12.0327.C21
Gene No.	83471	Strand	-
Start	26	End	1862
Name	OJ000119_12.0327.C21.o1.gs	Method	GENSCAN
Start	26	End	1862
GI	none	Score	.76
Exons	26..325, 1442..1551, 1734..1862		

Seq. No.	40338	Seq. ID	OJ000119_12.0327.C22
Gene No.	83472	Strand	+
Start	272	End	748
Name	OJ000119_12.0327.C22.o1.gs	Method	GENSCAN
Start	272	End	748
GI	none	Score	.44
Exons	272..379, 635..748		

Seq. No.	40338	Seq. ID	OJ000119_12.0327.C22
Gene No.	83473	Strand	-
Start	677	End	749
Name	OJ000119_12.0327.C22.o1.gp	Method	AAT/GAP
Start	677	End	749
GI	17521_1.R1084	Score	111
Exons	677..749		
GI Descrip.	'4454482/gb|AAD20929| 2.0e-71 (AC006234) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40339	Seq. ID	OJ000229_12.0330.C1
Gene No.	83474	Strand	+
Start	277	End	1758
Name	OJ000229_12.0330.C1.o1.gs	Method	GENSCAN
Start	277	End	1758
GI	none	Score	.68
Exons	277..437, 1206..1406, 1628..1758		

Seq. No.	40340	Seq. ID	OJ000229_12.0330.C2
Gene No.	83475	Strand	-
Start	451	End	1633
Name	OJ000229_12.0330.C2.o1.gs	Method	GENSCAN
Start	451	End	1633
GI	none	Score	.55
Exons	451..509, 1561..1633		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83476	Strand	+
Start	977	End	2849
Name	OJ000229_12.0330.C5.o1.gp	Method	AAT/GAP
Start	977	End	1420
GI	63609_1.R1084	Score	812

Exons	977..1420		
GI Descrip.	'3449320/dbj|AB016879.1|AB016879 5.0e-10 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MRB17, complete sequence'		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83476	Strand	+
Start	977	End	2849
Name	OJ000229_12.0330.C5.o1.gs	Method	GENSCAN
Start	1050	End	2849
GI	none	Score	.98
Exons	1050..2849		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83476	Strand	+
Start	977	End	2849
Name	OJ000229_12.0330.C5.o1.np	Method	AAT/NAP
Start	1077	End	2846
GI	3056595	Score	829
Exons	1077..1240, 1267..1853, 1890..2846		
GI Descrip.	(AC004255) T1F9.16 [Arabidopsis thaliana]		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83477	Strand	+
Start	6309	End	8238
Name	OJ000229_12.0330.C5.o2.np	Method	AAT/NAP
Start	6309	End	8238
GI	100210	Score	63
Exons	6309..6398, 8038..8238		
GI Descrip.	extensin precursor (clone Tom L-4) - tomato gi|170444 (M76671) extensin (class II) [Lycopersicon esculentum]		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83478	Strand	+
Start	10866	End	11463
Name	OJ000229_12.0330.C5.o4.gs	Method	GENSCAN
Start	10866	End	11321
GI	none	Score	.78
Exons	10866..11321		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83478	Strand	+
Start	10866	End	11463
Name	OJ000229_12.0330.C5.o2.gp	Method	AAT/GAP
Start	10894	End	11463
GI	22877_1.R1084	Score	1100
Exons	10894..11463		
GI Descrip.	'3449320/dbj|AB016879.1|AB016879 5.0e-10 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MRB17, complete sequence'		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83478	Strand	+
Start	10866	End	11463
Name	OJ000229_12.0330.C5.o3.np	Method	AAT/NAP
Start	11025	End	11318
GI	7488223	Score	131
Exons	11025..11159, 11190..11318		
GI Descrip.	probable wound-induced protein T9A4.6 - Arabidopsis thaliana		

gi|3695408|gb|AAC62808.1| (AF096373) contains similarity to Solanum lycopersicum (tomato) wound-induced protein (GB:X59882) [Arabidopsis thaliana] gi|4538956|emb|CAB39780.1| (AL049488) probable wound-induced protein [Arabidopsis thaliana] gi|7267724|emb|CAB78150.1| (AL161517) probable wound-induced protein [Arabid

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83479	Strand	-
Start	4707	End	6002
Name	OJ000229_12.0330.C5.o2.gs	Method	GENSCAN
Start	4707	End	6002
GI	none	Score	.86
Exons	4707..6002		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83480	Strand	-
Start	8006	End	8954
Name	OJ000229_12.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	1644	End	2180
GI	none	Score	260
Exons	1644..1835, 1658..1807, 1785..1835, 1887..2072, 1925..2062, 2085..2180, 2087..2146		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83480	Strand	-
Start	8006	End	8954
Name	OJ000229_12.0330.C5.o1.ts	Method	TBLASTX:Soybean
Start	1965	End	2288
GI	none	Score	191
Exons	1965..2288		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83480	Strand	-
Start	8006	End	8954
Name	OJ000229_12.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	4806	End	5052
GI	none	Score	119
Exons	4806..4949, 4806..4991, 4813..5007, 4828..5007, 4832..5008, 5022..5051, 5023..5052		

Seq. No.	40341	Seq. ID	OJ000229_12.0330.C5
Gene No.	83480	Strand	-
Start	8006	End	8954
Name	OJ000229_12.0330.C5.o3.gs	Method	GENSCAN
Start	8006	End	8954
GI	none	Score	.92
Exons	8006..8371, 8910..8954		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83481	Strand	+
Start	2442	End	3502
Name	OJ000229_12.0330.C6.o2.gs	Method	GENSCAN
Start	2442	End	3502
GI	none	Score	.5
Exons	2442..2575, 3023..3188, 3347..3502		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83482	Strand	+
Start	4051	End	4728
Name	OJ000229_12.0330.C6.o1.gp	Method	AAT/GAP
Start	4051	End	4728
GI	2661_1.R1084	Score	1287
Exons	4051..4728		
GI Descrip.	'4415940/gb|AAD20170| 6.0e-21 (AC006418) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83483	Strand	-
Start	1	End	709
Name	OJ000229_12.0330.C6.o1.np	Method	AAT/NAP
Start	1	End	393
GI	7485719	Score	288
Exons	1..393		
GI Descrip.	hypothetical protein F18E5.40 - Arabidopsis thaliana gi|3080386|emb|CAA18706.1| (AL022603) hypothetical protein [Arabidopsis thaliana] gi|3402761|emb|CAA20207.1| (AL031187) hypothetical protein [Arabidopsis thaliana] gi|7268939|emb|CAB81249.1| (AL161555) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83483	Strand	-
Start	1	End	709
Name	OJ000229_12.0330.C6.o1.gs	Method	GENSCAN
Start	15	End	709
GI	none	Score	.82
Exons	15..531, 618..709		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83484	Strand	-
Start	4265	End	5800
Name	OJ000229_12.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	4250	End	4600
GI	none	Score	190
Exons	4250..4567, 4271..4567, 4550..4600, 4568..4597		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83484	Strand	-
Start	4265	End	5800
Name	OJ000229_12.0330.C6.o2.np	Method	AAT/NAP
Start	4265	End	4651
GI	7486809	Score	301
Exons	4265..4651		
GI Descrip.	hypothetical protein M4I22.90 - Arabidopsis thaliana gi|3269289|emb|CAA19722.1| (AL030978) putative protein [Arabidopsis thaliana] gi|7269581|emb|CAB79583.1| (AL161566) putative protein [Arabidopsis thaliana]		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83484	Strand	-
Start	4265	End	5800
Name	OJ000229_12.0330.C6.o3.gs	Method	GENSCAN
Start	4265	End	5800

GI	none	Score	.86
Exons	4265..4702, 5711..5800		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83484	Strand	-
Start	4265	End	5800
Name	OJ000229_12.0330.C6.o1.tw	Method	TBLASTX:Wheat
Start	4271	End	4498
GI	none	Score	165
Exons	4271..4495, 4271..4498		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83484	Strand	-
Start	4265	End	5800
Name	OJ000229_12.0330.C6.o1.ts	Method	TBLASTX:Soybean
Start	4289	End	4597
GI	none	Score	62
Exons	4289..4408, 4463..4597, 4490..4597		

Seq. No.	40342	Seq. ID	OJ000229_12.0330.C6
Gene No.	83484	Strand	-
Start	4265	End	5800
Name	OJ000229_12.0330.C6.o1.tc	Method	TBLASTX:Cress
Start	4355	End	4597
GI	none	Score	145
Exons	4355..4408, 4463..4597		

Seq. No.	40343	Seq. ID	OJ000229_12.0330.C7
Gene No.	83485	Strand	-
Start	1	End	1022
Name	OJ000229_12.0330.C7.o1.np	Method	AAT/NAP
Start	1	End	1022
GI	7489456	Score	87
Exons	1..17, 514..591, 689..829, 941..1022		
GI Descrip.	beta-glucosidase (EC 3.2.1.21), chloroplast - rice gi|1143864|gb|AAA84906.1| (U28047) beta glucosidase [Oryza sativa]		

Seq. No.	40343	Seq. ID	OJ000229_12.0330.C7
Gene No.	83485	Strand	-
Start	1	End	1022
Name	OJ000229_12.0330.C7.o1.tm	Method	TBLASTX:Maize
Start	513	End	816
GI	none	Score	99
Exons	513..620, 513..623, 514..624, 527..637, 704..790, 709..792, 781..816		

Seq. No.	40343	Seq. ID	OJ000229_12.0330.C7
Gene No.	83485	Strand	-
Start	1	End	1022
Name	OJ000229_12.0330.C7.o1.gs	Method	GENSCAN
Start	514	End	620
GI	none	Score	.79
Exons	514..620		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+

Start	1	End	1988
Name	OJ000229_12.0330.C8.o1.np	Method	AAT/NAP
Start	1	End	1210
GI	6539553	Score	2037
Exons	1..1210		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o3.ts	Method	TBLASTX:Soybean
Start	1	End	226
GI	none	Score	73
Exons	1..168, 2..226, 2..223		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o2.tm	Method	TBLASTX:Maize
Start	2	End	382
GI	none	Score	256
Exons	2..382, 118..279		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o2.tw	Method	TBLASTX:Wheat
Start	2	End	1988
GI	none	Score	196
Exons	2..193, 2..169, 188..394, 262..384, 1935..1988		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o1.gs	Method	GENSCAN
Start	5	End	1213
GI	none	Score	.58
Exons	5..1213		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o1.ts	Method	TBLASTX:Soybean
Start	247	End	592
GI	none	Score	316
Exons	247..447, 248..592		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o1.tm	Method	TBLASTX:Maize
Start	403	End	742
GI	none	Score	312
Exons	403..741, 404..742		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o1.tw	Method	TBLASTX:Wheat
Start	598	End	1074
GI	none	Score	101
Exons	598..669, 599..673, 600..671, 688..1074, 689..1036		

Seq. No.	40344	Seq. ID	OJ000229_12.0330.C8
Gene No.	83486	Strand	+
Start	1	End	1988
Name	OJ000229_12.0330.C8.o2.ts	Method	TBLASTX:Soybean
Start	605	End	946
GI	none	Score	91
Exons	605..718, 631..711, 737..946, 742..867		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o1.np	Method	AAT/NAP
Start	1028	End	4200
GI	4204761	Score	442
Exons	1028..1104, 2571..2749, 2831..3022, 3119..3247, 4040..4200		
GI Descrip.	(U51192) peroxidase precursor [Glycine max]		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o1.tc	Method	TBLASTX:Cress
Start	2573	End	3244
GI	none	Score	119
Exons	2573..2749, 2574..2771, 2840..3004, 2877..2942, 3119..3244, 3123..3176		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	2573	End	3257
GI	none	Score	75
Exons	2573..2674, 2574..2675, 2669..2749, 2670..2750, 2831..3022, 2832..3023, 3119..3253, 3120..3257		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	2573	End	3247
GI	none	Score	111
Exons	2573..2749, 2574..2768, 2840..2980, 2877..2942, 2990..3022, 3006..3023, 3119..3247, 3120..3176		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o1.gs	Method	GENSCAN

Start	2587	End	4937
GI	none	Score	.79
Exons	2587..2825, 2831..3022, 3040..3113, 3119..3396, 4837..4937		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o2.gp	Method	AAT/GAP
Start	2587	End	3326
GI	20679_1.R1084	Score	975
Exons	2587..2749, 2831..3022, 3119..3326		
GI Descrip.	'4204761 7.0e-65 (U51192) peroxidase precursor [Glycine max]'		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o3.gp	Method	AAT/GAP
Start	2594	End	3383
GI	20679_1.R1084	Score	1050
Exons	2594..2749, 2831..3022, 3119..3383		
GI Descrip.	'4204761 7.0e-65 (U51192) peroxidase precursor [Glycine max]'		

Seq. No.	40345	Seq. ID	OJ000229_12.0330.C9
Gene No.	83487	Strand	-
Start	1028	End	4937
Name	OJ000229_12.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	2840	End	3257
GI	none	Score	71
Exons	2840..3022, 3119..3253, 3120..3257		

Seq. No.	40346	Seq. ID	OJ000229_12.0330.C12
Gene No.	83488	Strand	-
Start	1	End	869
Name	OJ000229_12.0330.C12.o1.np	Method	AAT/NAP
Start	1	End	869
GI	6539553	Score	1505
Exons	1..869		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	40346	Seq. ID	OJ000229_12.0330.C12
Gene No.	83488	Strand	-
Start	1	End	869
Name	OJ000229_12.0330.C12.o1.gs	Method	GENSCAN
Start	30	End	692
GI	none	Score	.4
Exons	30..692		

Seq. No.	40346	Seq. ID	OJ000229_12.0330.C12
Gene No.	83488	Strand	-
Start	1	End	869
Name	OJ000229_12.0330.C12.o1.tw	Method	TBLASTX:Wheat
Start	98	End	853
GI	none	Score	200
Exons	98..337, 99..257, 115..345, 118..315, 366..845, 389..853		

Seq. No.	40346	Seq. ID	OJ000229_12.0330.C12
Gene No.	83488	Strand	-
Start	1	End	869
Name	OJ000229_12.0330.C12.o1.tm	Method	TBLASTX:Maize
Start	503	End	869
GI	none	Score	75
Exons	503..670, 689..868, 759..869		

Seq. No.	40346	Seq. ID	OJ000229_12.0330.C12
Gene No.	83488	Strand	-
Start	1	End	869
Name	OJ000229_12.0330.C12.o1.ts	Method	TBLASTX:Soybean
Start	503	End	869
GI	none	Score	38
Exons	503..676, 630..668, 677..868, 723..869		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83489	Strand	+
Start	3051	End	3668
Name	OJ000229_12.0330.C13.o2.np	Method	AAT/NAP
Start	3051	End	3485
GI	678547	Score	406
Exons	3051..3485		
GI Descrip.	(L13654) peroxidase [Lycopersicon esculentum]		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83489	Strand	+
Start	3051	End	3668
Name	OJ000229_12.0330.C13.o1.gp	Method	AAT/GAP
Start	3061	End	3668
GI	19497_1.R1084	Score	1165
Exons	3061..3668		
GI Descrip.	'678547 2.0e-42 (L13654) peroxidase [Lycopersicon esculentum]'		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83490	Strand	+
Start	5245	End	8221
Name	OJ000229_12.0330.C13.o2.gp	Method	AAT/GAP
Start	5245	End	6783
GI	none	Score	938
Exons	5245..5555, 6585..6783		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83490	Strand	+
Start	5245	End	8221
Name	OJ000229_12.0330.C13.o2.gs	Method	GENSCAN
Start	6590	End	8221
GI	none	Score	.74
Exons	6590..7162, 7253..7673, 7863..8221		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83490	Strand	+
Start	5245	End	8221
Name	OJ000229_12.0330.C13.o3.np	Method	AAT/NAP
Start	6641	End	8176
GI	6642657	Score	1134

Exons	6641..7162, 7253..7673, 7863..8176		
GI Descrip.	(AC012395) putative integral membrane protein [Arabidopsis thaliana]		
Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83491	Strand	-
Start	1	End	900
Name	OJ000229_12.0330.C13.o1.np	Method	AAT/NAP
Start	1	End	894
GI	6539553	Score	1532
Exons	1..894		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83491	Strand	-
Start	1	End	900
Name	OJ000229_12.0330.C13.o3.tm	Method	TBLASTX:Maize
Start	452	End	765
GI	none	Score	297
Exons	452..757, 454..765		
Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83491	Strand	-
Start	1	End	900
Name	OJ000229_12.0330.C13.o1.tw	Method	TBLASTX:Wheat
Start	514	End	900
GI	none	Score	258
Exons	514..900, 515..889		
Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83492	Strand	
Start	3060	End	3484
Name	OJ000229_12.0330.C13.o1.ts	Method	TBLASTX:Soybean
Start	3060	End	3482
GI	none	Score	114
Exons	3060..3134, 3062..3124, 3135..3200, 3212..3262, 3216..3482, 3377..3472		
Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83492	Strand	
Start	3060	End	3484
Name	OJ000229_12.0330.C13.o2.tm	Method	TBLASTX:Maize
Start	3060	End	3484
GI	none	Score	185
Exons	3060..3188, 3062..3124, 3188..3235, 3188..3262, 3189..3482, 3305..3481, 3374..3484		
Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83492	Strand	
Start	3060	End	3484
Name	OJ000229_12.0330.C13.o2.tc	Method	TBLASTX:Cress
Start	3060	End	3482
GI	none	Score	121
Exons	3060..3149, 3135..3482, 3182..3262, 3386..3466		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83493	Strand	
Start	6584	End	7528
Name	OJ000229_12.0330.C13.o1.tm	Method	TBLASTX:Maize
Start	6584	End	7353
GI	none	Score	233
Exons	6584..6952, 6597..6953, 6602..6955, 6730..6954, 6949..7167, 6954..7016, 6958..7143, 7056..7166, 7189..7353, 7252..7350		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83493	Strand	
Start	6584	End	7528
Name	OJ000229_12.0330.C13.o3.ts	Method	TBLASTX:Soybean
Start	6598	End	6853
GI	none	Score	190
Exons	6598..6849, 6632..6853		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83493	Strand	
Start	6584	End	7528
Name	OJ000229_12.0330.C13.o1.tc	Method	TBLASTX:Cress
Start	6925	End	7462
GI	none	Score	199
Exons	6925..7143, 7034..7162, 7192..7461, 7253..7462		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83493	Strand	
Start	6584	End	7528
Name	OJ000229_12.0330.C13.o4.ts	Method	TBLASTX:Soybean
Start	7033	End	7165
GI	none	Score	183
Exons	7033..7140, 7034..7165		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83493	Strand	
Start	6584	End	7528
Name	OJ000229_12.0330.C13.o2.ts	Method	TBLASTX:Soybean
Start	7258	End	7528
GI	none	Score	196
Exons	7258..7461, 7259..7462, 7466..7528		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83494	Strand	
Start	7433	End	7690
Name	OJ000229_12.0330.C13.o4.tm	Method	TBLASTX:Maize
Start	7433	End	7690
GI	none	Score	176
Exons	7433..7546, 7433..7690, 7437..7682, 7438..7689		

Seq. No.	40347	Seq. ID	OJ000229_12.0330.C13
Gene No.	83495	Strand	
Start	7889	End	8071
Name	OJ000229_12.0330.C13.o5.ts	Method	TBLASTX:Soybean
Start	7889	End	8071
GI	none	Score	181
Exons	7889..8071, 7889..8071		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83496	Strand	+
Start	1159	End	4380
Name	OJ000229_12.0330.C14.o1.np	Method	AAT/NAP
Start	1159	End	4377
GI	7248403	Score	842
Exons	1159..1193, 3779..4377		
GI Descrip.	(AP001389) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83496	Strand	+
Start	1159	End	4380
Name	OJ000229_12.0330.C14.o2.gs	Method	GENSCAN
Start	3841	End	4380
GI	none	Score	.88
Exons	3841..4380		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83497	Strand	+
Start	6294	End	6413
Name	OJ000229_12.0330.C14.o3.np	Method	AAT/NAP
Start	6294	End	6413
GI	5042454	Score	64
Exons	6294..6413		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83498	Strand	-
Start	713	End	3147
Name	OJ000229_12.0330.C14.o1.gs	Method	GENSCAN
Start	713	End	3147
GI	none	Score	.61
Exons	713..1366, 3031..3147		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83499	Strand	-
Start	4565	End	5027
Name	OJ000229_12.0330.C14.o2.np	Method	AAT/NAP
Start	4565	End	5027
GI	7248404	Score	414
Exons	4565..5027		
GI Descrip.	(AP001389) ESTs AU082409(E30736),C74252(E30736) correspond to a region of the predicted gene.~hypothetical protein [Oryza sativa]		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83500	Strand	-
Start	9430	End	10047
Name	OJ000229_12.0330.C14.o1.tc	Method	TBLASTX:Cress
Start	3811	End	4146
GI	none	Score	142
Exons	3811..3969, 3816..3953, 3994..4146		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83500	Strand	-

Start	9430	End	10047
Name	OJ000229_12.0330.C14.o1.ts	Method	TBLASTX:Soybean
Start	3850	End	4134
GI	none	Score	126
Exons	3850..3990, 3997..4134		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83500	Strand	-
Start	9430	End	10047
Name	OJ000229_12.0330.C14.o1.tm	Method	TBLASTX:Maize
Start	3997	End	4356
GI	none	Score	276
Exons	3997..4356, 4006..4152, 4221..4328		

Seq. No.	40348	Seq. ID	OJ000229_12.0330.C14
Gene No.	83500	Strand	-
Start	9430	End	10047
Name	OJ000229_12.0330.C14.o3.gp	Method	AAT/GAP
Start	9430	End	10047
GI	55573_1.R1084	Score	1151
Exons	9430..10047		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83501	Strand	+
Start	4293	End	4710
Name	OJ000229_12.0330.C15.o2.gp	Method	AAT/GAP
Start	4293	End	4710
GI	LIB3474-007-P1-K1-G11	Score	818
Exons	4293..4710		
GI Descrip.	'3789942 8.0e-27 (AF093505) polyubiquitin [Saccharum hybrid cultivar H32-8560]'		

Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83502	Strand	+
Start	5128	End	5382
Name	OJ000229_12.0330.C15.o3.gp	Method	AAT/GAP
Start	5128	End	5382
GI	2311684	Score	478
Exons	5128..5382		

Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83503	Strand	+
Start	9786	End	10462
Name	OJ000229_12.0330.C15.o4.gp	Method	AAT/GAP
Start	9563	End	10462
GI	294_8.R1084	Score	1567
Exons	9563..10462		
GI Descrip.	'1332579/emb|CAA66667| 3.0e-75 (X98063) polyubiquitin [Pinus sylvestris]'		

Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83503	Strand	+
Start	9786	End	10462
Name	OJ000229_12.0330.C15.o4.gs	Method	GENSCAN
Start	9786	End	10444

GI	none	Score	.59
Exons	9786..10444		
Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83504	Strand	-
Start	9801	End	10462
Name	OJ000229_12.0330.C15.o1.tm	Method	TBLASTX:Maize
Start	9771	End	10461
GI	none	Score	370
Exons	9771..10133, 9774..10133, 9774..10031, 9805..10461, 9805..10260, 9821..9880, 9821..9880, 9834..10460, 9834..10259, 9975..10460, 9978..10133, 9979..10461, 10201..10461		
Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83504	Strand	-
Start	9801	End	10462
Name	OJ000229_12.0330.C15.o1.tc	Method	TBLASTX:Cress
Start	9774	End	10461
GI	none	Score	316
Exons	9774..10136, 9774..10136, 9774..10133, 9777..10133, 9792..10052, 9795..10133, 9805..10461, 9805..10461, 9805..10461, 9805..10461, 9805..10260, 9832..10458, 9832..10128, 9832..10368, 9834..10460, 9834..10460, 9834..10259, 9834..10460, 9834..10460, 10021..10338, 10032..10460, 10249..10458, 10251..10460		
Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83504	Strand	-
Start	9801	End	10462
Name	OJ000229_12.0330.C15.o1.tw	Method	TBLASTX:Wheat
Start	9774	End	10461
GI	none	Score	399
Exons	9774..10133, 9774..10031, 9804..10136, 9805..10461, 9805..10260, 9821..9880, 9827..9880, 9834..10460, 9834..10259, 10029..10460, 10030..10461		
Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83504	Strand	-
Start	9801	End	10462
Name	OJ000229_12.0330.C15.o1.ts	Method	TBLASTX:Soybean
Start	9774	End	10462
GI	none	Score	264
Exons	9774..10133, 9774..10031, 9792..10130, 9801..10133, 9805..10461, 9805..10461, 9805..10275, 9834..10460, 9834..10460, 9834..10259, 10032..10460, 10111..10269, 10403..10462		
Seq. No.	40349	Seq. ID	OJ000229_12.0330.C15
Gene No.	83504	Strand	-
Start	9801	End	10462
Name	OJ000229_12.0330.C15.o1.np	Method	AAT/NAP
Start	9801	End	10462
GI	100934	Score	1084
Exons	9801..10462		
GI Descrip.	ubiquitin precursor Ubi-1 - maize gi|422037|pir||S20926 ubiquitin precursor Ubi-2 - maize gi|248337|bbs|94465 (S94464) polyubiquitin(ubiquitin) [maize, Peptide, 533 aa] [Zea mays] gi|248339|bbs|94467 (S94466) polyubiquitin(ubiquitin) [maize, Peptide, 533 aa] [Zea mays]		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16
Gene No.	83505	Strand	-
Start	1	End	1664
Name	OJ000229_12.0330.C16.o1.gp	Method	AAT/GAP
Start	1	End	1355
GI	294_8.R1084	Score	982
Exons	1..532, 1309..1355		
GI Descrip.	'1332579/emb|CAA66667| 3.0e-75 (X98063) polyubiquitin [Pinus sylvestris]'		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16
Gene No.	83505	Strand	-
Start	1	End	1664
Name	OJ000229_12.0330.C16.o1.np	Method	AAT/NAP
Start	1	End	1664
GI	82734	Score	842
Exons	1..532, 1644..1664		
GI Descrip.	ubiquitin precursor - maize (fragment) gi|226763|prf||1604470A poly-ubiquitin [Zea mays]		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16
Gene No.	83506	Strand	-
Start	1946	End	2116
Name	OJ000229_12.0330.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	538
GI	none	Score	71
Exons	1..246, 2..142, 2..538, 2..532, 2..532, 3..533, 3..533, 3..533, 77..532, 78..533, 476..535		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16
Gene No.	83506	Strand	-
Start	1946	End	2116
Name	OJ000229_12.0330.C16.o1.tw	Method	TBLASTX:Wheat
Start	1	End	544
GI	none	Score	215
Exons	1..186, 2..535, 3..533, 74..532, 75..533, 304..540, 445..540, 445..534, 473..544, 473..544, 473..535		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16
Gene No.	83506	Strand	-
Start	1946	End	2116
Name	OJ000229_12.0330.C16.o1.tc	Method	TBLASTX:Cress
Start	2	End	554
GI	none	Score	676
Exons	2..538, 3..533, 66..554, 77..532, 240..533, 316..534		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16
Gene No.	83506	Strand	-
Start	1946	End	2116
Name	OJ000229_12.0330.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	544
GI	none	Score	805
Exons	2..535, 3..533, 26..532, 27..533, 248..532, 252..533, 473..544, 474..533		

Seq. No.	40350	Seq. ID	OJ000229_12.0330.C16

Gene No.	83506	Strand	-
Start	1946	End	2116
Name	OJ000229_12.0330.C16.o2.gp	Method	AAT/GAP
Start	1946	End	2116
GI	none	Score	64
Exons	1946..1978, 2063..2116		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83507	Strand	+
Start	2836	End	2995
Name	OJ000229_12.0330.C17.o3.gp	Method	AAT/GAP
Start	2836	End	2995
GI	5005099	Score	289
Exons	2836..2995		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83508	Strand	+
Start	6121	End	8748
Name	OJ000229_12.0330.C17.o2.np	Method	AAT/NAP
Start	6121	End	8745
GI	7486806	Score	921
Exons	6121..6168, 7329..7586, 7629..8010, 8102..8745		
GI Descrip.	hypothetical protein M4I22.50 - Arabidopsis thaliana gi|3269285|emb|CAA19718.1| (AL030978) hypothetical protein [Arabidopsis thaliana] gi|7269577|emb|CAB79579.1| (AL161566) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83508	Strand	+
Start	6121	End	8748
Name	OJ000229_12.0330.C17.o3.gs	Method	GENSCAN
Start	7368	End	8748
GI	none	Score	.81
Exons	7368..8010, 8102..8748		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83508	Strand	+
Start	6121	End	8748
Name	OJ000229_12.0330.C17.o5.gp	Method	AAT/GAP
Start	7709	End	8252
GI	none	Score	719
Exons	7709..8010, 8102..8252		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83509	Strand	-
Start	676	End	1070
Name	OJ000229_12.0330.C17.o1.gp	Method	AAT/GAP
Start	676	End	1070
GI	none	Score	790
Exons	676..1070		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83510	Strand	-
Start	1429	End	1986
Name	OJ000229_12.0330.C17.o2.gp	Method	AAT/GAP
Start	1429	End	1986
GI	none	Score	1088

Exons	1429..1986		
Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83511	Strand	-
Start	3031	End	5156
Name	OJ000229_12.0330.C17.o2.gs	Method	GENSCAN
Start	3031	End	5096
GI	none	Score	.91
Exons	3031..3150, 3308..3531, 3795..4005, 4187..4309, 4935..5096		
Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83511	Strand	-
Start	3031	End	5156
Name	OJ000229_12.0330.C17.o1.np	Method	AAT/NAP
Start	3097	End	5066
GI	7487784	Score	747
Exons	3097..3221, 3287..3531, 3795..4005, 4118..4334, 4963..5066		
GI Descrip.	hypothetical protein T6K22.50 - Arabidopsis thaliana gi|3402751|emb|CAA20197.1| (AL031187) putative protein [Arabidopsis thaliana] gi|7268928|emb|CAB79131.1| (AL161554) putative protein [Arabidopsis thaliana]		
Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83511	Strand	-
Start	3031	End	5156
Name	OJ000229_12.0330.C17.o4.gp	Method	AAT/GAP
Start	3923	End	5156
GI	38125_1.R1084	Score	909
Exons	3923..4005, 4118..4309, 4935..5156		
GI Descrip.	'3402751/emb|CAA20197.1| 8.0e-32 (AL031187) putative protein [Arabidopsis thaliana]'		
Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83512	Strand	-
Start	9247	End	13698
Name	OJ000229_12.0330.C17.o4.gs	Method	GENSCAN
Start	9247	End	13627
GI	none	Score	.67
Exons	9247..9418, 9639..9765, 9855..10038, 10140..10366, 10489..10769, 10875..11076, 11821..11941, 12055..12282, 12358..12396, 13505..13627		
Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83512	Strand	-
Start	9247	End	13698
Name	OJ000229_12.0330.C17.o3.np	Method	AAT/NAP
Start	9251	End	10902
GI	7486807	Score	558
Exons	9251..9406, 9542..9765, 9829..10038, 10140..10361, 10493..10902		
GI Descrip.	hypothetical protein M4I22.60 - Arabidopsis thaliana gi|3269286|emb|CAA19719.1| (AL030978) putative protein [Arabidopsis thaliana] gi|7269578|emb|CAB79580.1| (AL161566) putative protein [Arabidopsis thaliana]		
Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83512	Strand	-
Start	9247	End	13698

Name	OJ000229_12.0330.C17.o4.np	Method	AAT/NAP
Start	10984	End	13065
GI	132819	Score	453
Exons	10984..11023, 11784..11947, 12061..12328, 12959..13065		
GI Descrip.	50S RIBOSOMAL PROTEIN L24, CHLOROPLAST PRECURSOR (CL24) gi|71307|pir||R5PM24 ribosomal protein L24 precursor, chloroplast - garden pea gi|20873|emb|CAA32185| (X14020) CL24 ribosomal preprotein (AA -39 to 155) [Pisum sativum]		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83512	Strand	-
Start	9247	End	13698
Name	OJ000229_12.0330.C17.o6.gp	Method	AAT/GAP
Start	11577	End	13698
GI	4464_1.R1084	Score	1573
Exons	11577..11941, 12055..12282, 12358..12396, 13505..13698		
GI Descrip.	'400989/sp|Q02764|RK24_TOBAC 2.0e-54 50S RIBOSOMAL PROTEIN L24, CHLOROPLAST PRECURSOR (CL24) >gi_322771_pir__A45113 ribosomal protein L24 precursor - common tobacco >gi_170273 (M87838) ribosomal protein L24 [Nicotiana tabacum] >gi_170324 (M87839) ribosomal protein L24 [Nicotiana tabacum]'		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o1.ts	Method	TBLASTX:Soybean
Start	3082	End	5018
GI	none	Score	64
Exons	3082..3153, 3088..3150, 3295..3498, 3302..3532, 3303..3533, 3799..4008, 3809..4006, 3820..4008, 4107..4319, 4107..4283, 4109..4318, 4971..5018		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o2.tm	Method	TBLASTX:Maize
Start	3085	End	5141
GI	none	Score	95
Exons	3085..3150, 3086..3151, 3295..3531, 3302..3532, 3302..3532, 3800..4006, 3805..4008, 3811..4008, 4104..4310, 4109..4312, 4111..4311, 4933..4998, 4935..5141		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o3.ts	Method	TBLASTX:Soybean
Start	8122	End	8445
GI	none	Score	294
Exons	8122..8397, 8130..8396, 8371..8445		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o3.tm	Method	TBLASTX:Maize
Start	8130	End	8370
GI	none	Score	70
Exons	8130..8192, 8130..8366, 8134..8370		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o1.tc	Method	TBLASTX:Cress
Start	8145	End	8742
GI	none	Score	257
Exons	8145..8390, 8146..8397, 8371..8436, 8554..8601, 8641..8742		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o4.ts	Method	TBLASTX:Soybean
Start	8578	End	8751
GI	none	Score	260
Exons	8578..8748, 8578..8751		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o5.ts	Method	TBLASTX:Soybean
Start	10269	End	10878
GI	none	Score	132
Exons	10269..10355, 10538..10645, 10762..10878		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o4.tm	Method	TBLASTX:Maize
Start	10290	End	10875
GI	none	Score	125
Exons	10290..10355, 10538..10651, 10762..10875		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o3.tc	Method	TBLASTX:Cress
Start	10502	End	10863
GI	none	Score	61
Exons	10502..10654, 10520..10615, 10530..10634, 10774..10863		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o1.tm	Method	TBLASTX:Maize
Start	11707	End	13630
GI	none	Score	205
Exons	11707..11940, 11720..11941, 11777..11941, 11797..11943, 12052..12312, 12056..12289, 12177..12299, 12361..12390, 12368..12397, 13503..13571, 13504..13572, 13550..13630, 13551..13628		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o2.ts	Method	TBLASTX:Soybean
Start	11783	End	12295

GI	none	Score	115
Exons	11783..11944, 11791..11949, 11793..11942, 12076..12288, 12077..12289, 12089..12295, 12192..12293		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o2.tc	Method	TBLASTX:Cress
Start	11792	End	12296
GI	none	Score	107
Exons	11792..11944, 11792..11944, 12076..12285, 12077..12283, 12078..12293, 12201..12296		

Seq. No.	40351	Seq. ID	OJ000229_12.0330.C17
Gene No.	83513	Strand	-
Start	14227	End	14756
Name	OJ000229_12.0330.C17.o5.gs	Method	GENSCAN
Start	14227	End	14756
GI	none	Score	.86
Exons	14227..14256, 14313..14756		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83514	Strand	+
Start	1	End	1330
Name	OJ000229_12.0330.C21.o1.gp	Method	AAT/GAP
Start	1	End	637
GI	none	Score	668
Exons	1..71, 183..378, 540..637		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83514	Strand	+
Start	1	End	1330
Name	OJ000229_12.0330.C21.o1.gs	Method	GENSCAN
Start	172	End	1330
GI	none	Score	.85
Exons	172..378, 540..736, 1292..1330		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83515	Strand	+
Start	3109	End	6391
Name	OJ000229_12.0330.C21.o1.np	Method	AAT/NAP
Start	3109	End	6385
GI	7486660	Score	1562
Exons	3109..4031, 4823..5033, 5675..6385		
GI Descrip.	hypothetical protein F8F16.10 - Arabidopsis thaliana gi|2827514|emb|CAA16523.1| (AL021633) predicted protein [Arabidopsis thaliana] gi|7270022|emb|CAB79838.1| (AL161578) predicted protein [Arabidopsis thaliana]		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83515	Strand	+
Start	3109	End	6391
Name	OJ000229_12.0330.C21.o3.gs	Method	GENSCAN
Start	3109	End	6391
GI	none	Score	.77
Exons	3109..4031, 4823..5028, 5661..6391		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83516	Strand	-
Start	1290	End	1749
Name	OJ000229_12.0330.C21.o2.gp	Method	AAT/GAP
Start	1290	End	1749
GI	uC-osroM202001b09a1	Score	885
Exons	1290..1749		
GI Descrip.	'3789942 8.0e-27 (AF093505) polyubiquitin [Saccharum hybrid cultivar H32-8560]'		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83517	Strand	-
Start	2220	End	2396
Name	OJ000229_12.0330.C21.o3.tm	Method	TBLASTX:Maize
Start	2	End	736
GI	none	Score	101
Exons	2..82, 3..77, 183..257, 185..235, 187..255, 261..323, 264..341, 274..330, 330..392, 521..667, 540..704, 540..653, 665..736, 680..736		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83517	Strand	-
Start	2220	End	2396
Name	OJ000229_12.0330.C21.o2.gs	Method	GENSCAN
Start	2220	End	2396
GI	none	Score	.78
Exons	2220..2396		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83518	Strand	
Start	3835	End	4988
Name	OJ000229_12.0330.C21.o2.tm	Method	TBLASTX:Maize
Start	3835	End	4899
GI	none	Score	296
Exons	3835..4029, 3858..4034, 3858..4031, 4814..4888, 4821..4898, 4821..4898, 4822..4899, 4822..4899		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83518	Strand	
Start	3835	End	4988
Name	OJ000229_12.0330.C21.o1.ts	Method	TBLASTX:Soybean
Start	3841	End	4988
GI	none	Score	245
Exons	3841..4038, 3858..4040, 4814..4891, 4821..4988, 4848..4985		

Seq. No.	40352	Seq. ID	OJ000229_12.0330.C21
Gene No.	83519	Strand	
Start	5968	End	6298
Name	OJ000229_12.0330.C21.o1.tm	Method	TBLASTX:Maize
Start	5968	End	6298
GI	none	Score	241
Exons	5968..6294, 5971..6291, 6047..6298		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o1.np	Method	AAT/NAP

Start	1	End	3244
GI	4680179	Score	1180
Exons	1..1145, 3207..3244		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o1.tm	Method	TBLASTX:Maize
Start	291	End	539
GI	none	Score	253
Exons	291..539, 295..531		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o1.ts	Method	TBLASTX:Soybean
Start	303	End	563
GI	none	Score	172
Exons	303..563, 304..561		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o1.tw	Method	TBLASTX:Wheat
Start	351	End	887
GI	none	Score	260
Exons	351..887, 352..633, 658..885		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o1.gs	Method	GENSCAN
Start	645	End	3052
GI	none	Score	.5
Exons	645..1138, 2848..3052		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o2.tm	Method	TBLASTX:Maize
Start	918	End	1151
GI	none	Score	135
Exons	918..1145, 933..1151, 944..1150		

Seq. No.	40353	Seq. ID	OJ000229_18.0321.C1
Gene No.	83520	Strand	-
Start	1	End	3244
Name	OJ000229_18.0321.C1.o2.tw	Method	TBLASTX:Wheat
Start	918	End	1146
GI	none	Score	135
Exons	918..1136, 918..1145, 925..1146		

Seq. No.	40354	Seq. ID	OJ000229_18.0321.C2
Gene No.	83521	Strand	-
Start	305	End	3839
Name	OJ000229_18.0321.C2.o1.gs	Method	GENSCAN

Start	305	End	2709
GI	none	Score	.51
Exons	305..513, 604..648, 915..1461, 1848..2709		

Seq. No.	40354	Seq. ID	OJ000229_18.0321.C2
Gene No.	83521	Strand	-
Start	305	End	3839
Name	OJ000229_18.0321.C2.o1.np	Method	AAT/NAP
Start	527	End	3839
GI	6815052	Score	1317
Exons	527..648, 931..1013, 1095..1814, 1863..1989, 2829..2921, 3740..3839		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40354	Seq. ID	OJ000229_18.0321.C2
Gene No.	83521	Strand	-
Start	305	End	3839
Name	OJ000229_18.0321.C2.o1.tw	Method	TBLASTX:Wheat
Start	2122	End	2616
GI	none	Score	85
Exons	2122..2418, 2434..2616		

Seq. No.	40355	Seq. ID	OJ000229_18.0321.C3
Gene No.	83522	Strand	-
Start	6961	End	10300
Name	OJ000229_18.0321.C3.o2.gs	Method	GENSCAN
Start	6961	End	9064
GI	none	Score	.87
Exons	6961..7082, 7363..9064		

Seq. No.	40355	Seq. ID	OJ000229_18.0321.C3
Gene No.	83522	Strand	-
Start	6961	End	10300
Name	OJ000229_18.0321.C3.o1.np	Method	AAT/NAP
Start	6964	End	10300
GI	6815052	Score	1545
Exons	6964..7082, 7363..7438, 7520..8217, 8266..8401, 9184..9276, 10136..10300		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40355	Seq. ID	OJ000229_18.0321.C3
Gene No.	83522	Strand	-
Start	6961	End	10300
Name	OJ000229_18.0321.C3.o1.tw	Method	TBLASTX:Wheat
Start	8456	End	8950
GI	none	Score	65
Exons	8456..8950, 8556..8714, 8660..8926		

Seq. No.	40356	Seq. ID	OJ000229_18.0321.C4
Gene No.	83523	Strand	-
Start	1	End	210
Name	OJ000229_18.0321.C4.o1.np	Method	AAT/NAP
Start	1	End	210
GI	6815052	Score	190
Exons	1..210		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40356	Seq. ID	OJ000229_18.0321.C4
Gene No.	83523	Strand	-
Start	1	End	210
Name	OJ000229_18.0321.C4.o1.gs	Method	GENSCAN
Start	57	End	210
GI	none	Score	.91
Exons	57..210		

Seq. No.	40357	Seq. ID	OJ000229_18.0321.C6
Gene No.	83524	Strand	+
Start	62	End	402
Name	OJ000229_18.0321.C6.o1.gs	Method	GENSCAN
Start	62	End	402
GI	none	Score	.55
Exons	62..402		

Seq. No.	40357	Seq. ID	OJ000229_18.0321.C6
Gene No.	83525	Strand	-
Start	1844	End	2302
Name	OJ000229_18.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	835	End	1080
GI	none	Score	137
Exons	835..1080, 839..1069, 913..1080		

Seq. No.	40357	Seq. ID	OJ000229_18.0321.C6
Gene No.	83525	Strand	-
Start	1844	End	2302
Name	OJ000229_18.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	856	End	1263
GI	none	Score	66
Exons	856..1263, 857..1063		

Seq. No.	40357	Seq. ID	OJ000229_18.0321.C6
Gene No.	83525	Strand	-
Start	1844	End	2302
Name	OJ000229_18.0321.C6.o2.gs	Method	GENSCAN
Start	1844	End	2302
GI	none	Score	.82
Exons	1844..2302		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83526	Strand	-
Start	1	End	1013
Name	OJ000229_18.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	1013
GI	7248394	Score	1005
Exons	1..1013		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o1.ts	Method	TBLASTX:Soybean

Start	238	End	708
GI	none	Score	85
Exons	238..426, 269..394, 427..708, 446..670		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o2.tw	Method	TBLASTX:Wheat
Start	325	End	706
GI	none	Score	86
Exons	325..426, 388..705, 392..706		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	394	End	855
GI	none	Score	78
Exons	394..855, 395..517, 574..849, 767..853		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	725	End	1011
GI	none	Score	118
Exons	725..1009, 738..977, 738..1010, 745..1011, 767..1009		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o2.tm	Method	TBLASTX:Maize
Start	856	End	1014
GI	none	Score	142
Exons	856..1011, 857..1009, 874..1014		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o2.np	Method	AAT/NAP
Start	3321	End	4789
GI	5852181	Score	146
Exons	3321..3497, 4736..4789		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789
Name	OJ000229_18.0321.C7.o3.np	Method	AAT/NAP
Start	3963	End	4789
GI	7340881	Score	112
Exons	3963..4011, 4117..4224, 4727..4789		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	40358	Seq. ID	OJ000229_18.0321.C7
Gene No.	83527	Strand	-
Start	3321	End	4789

Name	OJ000229_18.0321.C7.o2.gs	Method	GENSCAN
Start	4537	End	4676
GI	none	Score	.67
Exons	4537..4676		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83528	Strand	+
Start	361	End	1151
Name	OJ000229_18.0321.C8.o1.gs	Method	GENSCAN
Start	361	End	1151
GI	none	Score	.78
Exons	361..475, 1141..1151		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83529	Strand	+
Start	7085	End	8860
Name	OJ000229_18.0321.C8.o3.np	Method	AAT/NAP
Start	7085	End	8860
GI	6063554	Score	155
Exons	7085..7218, 7317..7534, 8684..8860		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83529	Strand	+
Start	7085	End	8860
Name	OJ000229_18.0321.C8.o2.np	Method	AAT/NAP
Start	7227	End	8131
GI	5852178	Score	398
Exons	7227..7537, 7569..7672, 8035..8131		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83529	Strand	+
Start	7085	End	8860
Name	OJ000229_18.0321.C8.o1.gp	Method	AAT/GAP
Start	8266	End	8698
GI	2428185	Score	660
Exons	8266..8698		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83530	Strand	+
Start	9240	End	9414
Name	OJ000229_18.0321.C8.o3.gp	Method	AAT/GAP
Start	9240	End	9414
GI	LIB3433-026-P1-K1-C1	Score	241
Exons	9240..9414		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o2.gs	Method	GENSCAN

Start	2469	End	4639
GI	none	Score	.5
Exons	2469..2722, 3394..3490, 3596..3786, 3994..4173, 4206..4339, 4569..4639		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o1.np	Method	AAT/NAP
Start	3296	End	9730
GI	6691191	Score	2679
Exons	3296..6251, 9676..9730		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o1.ts	Method	TBLASTX:Soybean
Start	3389	End	3877
GI	none	Score	155
Exons	3389..3478, 3572..3877, 3639..3875, 3694..3876		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o6.tw	Method	TBLASTX:Wheat
Start	3512	End	3745
GI	none	Score	53
Exons	3512..3718, 3575..3745		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o5.tw	Method	TBLASTX:Wheat
Start	3746	End	4193
GI	none	Score	117
Exons	3746..4039, 3756..4043, 4037..4192, 4041..4193		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o4.ts	Method	TBLASTX:Soybean
Start	3878	End	4198
GI	none	Score	116
Exons	3878..4045, 3879..4031, 4064..4159, 4065..4160, 4157..4198, 4158..4193		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o1.tc	Method	TBLASTX:Cress
Start	4220	End	4603
GI	none	Score	61
Exons	4220..4522, 4526..4603		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-

Start	2469	End	9730
Name	OJ000229_18.0321.C8.o4.tw	Method	TBLASTX:Wheat
Start	4319	End	4786
GI	none	Score	104
Exons	4319..4507, 4526..4594, 4586..4786, 4589..4783, 4596..4784		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o5.ts	Method	TBLASTX:Soybean
Start	4602	End	4780
GI	none	Score	37
Exons	4602..4634, 4640..4780, 4641..4766, 4664..4780		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o3.tw	Method	TBLASTX:Wheat
Start	4799	End	5089
GI	none	Score	193
Exons	4799..5089, 4800..5075		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o1.tm	Method	TBLASTX:Maize
Start	4823	End	5333
GI	none	Score	108
Exons	4823..4933, 4958..5161, 5166..5333		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o3.ts	Method	TBLASTX:Soybean
Start	4890	End	5231
GI	none	Score	105
Exons	4890..5147, 4892..5161, 4913..5164, 5163..5231		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o1.tw	Method	TBLASTX:Wheat
Start	5105	End	5521
GI	none	Score	197
Exons	5105..5161, 5166..5399, 5179..5388, 5252..5401, 5405..5515, 5405..5521, 5463..5519		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o3.gs	Method	GENSCAN
Start	5160	End	7658
GI	none	Score	.43
Exons	5160..5378, 5566..5796, 5827..6581, 7083..7218, 7340..7522, 7563..7658		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8

Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o2.ts	Method	TBLASTX:Soybean
Start	5597	End	6021
GI	none	Score	67
Exons	5597..5713, 5601..5693, 5686..6021, 5693..5995		

Seq. No.	40359	Seq. ID	OJ000229_18.0321.C8
Gene No.	83531	Strand	-
Start	2469	End	9730
Name	OJ000229_18.0321.C8.o2.tw	Method	TBLASTX:Wheat
Start	5618	End	6021
GI	none	Score	143
Exons	5618..5692, 5686..6021, 5693..5860		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83532	Strand	+
Start	1334	End	16977
Name	OJ000229_18.0321.C10.o2.np	Method	AAT/NAP
Start	1334	End	16504
GI	5852180	Score	509
Exons	1334..1407, 10836..10887, 11878..11961, 12021..12457, 16460..16504		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83532	Strand	+
Start	1334	End	16977
Name	OJ000229_18.0321.C10.o2.gs	Method	GENSCAN
Start	12163	End	13944
GI	none	Score	.79
Exons	12163..12365, 13484..13735, 13767..13944		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83532	Strand	+
Start	1334	End	16977
Name	OJ000229_18.0321.C10.o3.gs	Method	GENSCAN
Start	16109	End	16977
GI	none	Score	.54
Exons	16109..16171, 16939..16977		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83533	Strand	-
Start	2673	End	8265
Name	OJ000229_18.0321.C10.o1.np	Method	AAT/NAP
Start	2673	End	8265
GI	4680179	Score	5867
Exons	2673..6414, 8241..8265		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83534	Strand	-
Start	10738	End	11119
Name	OJ000229_18.0321.C10.o1.gp	Method	AAT/GAP
Start	10738	End	11119
GI	uC-osf1cyp033a04b1	Score	643
Exons	10738..11119		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o6.tm	Method	TBLASTX:Maize
Start	2664	End	2909
GI	none	Score	200
Exons	2664..2696, 2697..2909		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o6.tw	Method	TBLASTX:Wheat
Start	2718	End	3048
GI	none	Score	75
Exons	2718..3047, 2914..3048		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o1.tm	Method	TBLASTX:Maize
Start	2910	End	3497
GI	none	Score	218
Exons	2910..3338, 2911..3339, 2926..3339, 3336..3497, 3343..3489		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o1.tw	Method	TBLASTX:Wheat
Start	3051	End	3677
GI	none	Score	319
Exons	3051..3677, 3052..3675		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o4.tm	Method	TBLASTX:Maize
Start	3618	End	4034
GI	none	Score	160
Exons	3618..4034, 3640..3924, 3804..3953		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o2.ts	Method	TBLASTX:Soybean
Start	3636	End	3896
GI	none	Score	167
Exons	3636..3896, 3637..3891		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o3.tw	Method	TBLASTX:Wheat
Start	3684	End	4160
GI	none	Score	237

Exons	3684..4160, 3685..3939, 3717..4130		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o2.tw	Method	TBLASTX:Wheat
Start	4167	End	4677
GI	none	Score	227
Exons	4167..4676, 4251..4598, 4333..4644, 4492..4677		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o2.tm	Method	TBLASTX:Maize
Start	4246	End	4604
GI	none	Score	167
Exons	4246..4443, 4251..4604, 4260..4550, 4426..4602		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o3.ts	Method	TBLASTX:Soybean
Start	4425	End	4670
GI	none	Score	189
Exons	4425..4670		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o5.tm	Method	TBLASTX:Maize
Start	4611	End	4962
GI	none	Score	106
Exons	4611..4724, 4723..4962, 4724..4894		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o5.tw	Method	TBLASTX:Wheat
Start	4683	End	4983
GI	none	Score	218
Exons	4683..4724, 4718..4819, 4720..4983, 4724..4963, 4747..4983		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o1.ts	Method	TBLASTX:Soybean
Start	4720	End	5091
GI	none	Score	153
Exons	4720..5055, 4724..4960, 4912..5055, 5047..5091, 5059..5091		
Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o3.tm	Method	TBLASTX:Maize
Start	4978	End	5445
GI	none	Score	52
Exons	4978..5445, 5011..5124, 5204..5374		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o4.tw	Method	TBLASTX:Wheat
Start	5032	End	8970
GI	none	Score	167
Exons	5032..5514, 5041..5403, 5075..5410, 8899..8970		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o7.tw	Method	TBLASTX:Wheat
Start	5677	End	6093
GI	none	Score	99
Exons	5677..5862, 5678..5833, 5884..6093, 5945..6055		

Seq. No.	40360	Seq. ID	OJ000229_18.0321.C10
Gene No.	83535	Strand	-
Start	15611	End	15862
Name	OJ000229_18.0321.C10.o2.gp	Method	AAT/GAP
Start	15611	End	15862
GI	61605_3.R1084	Score	398
Exons	15611..15862		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	40361	Seq. ID	OJ000229_18.0321.C11
Gene No.	83536	Strand	-
Start	1	End	2709
Name	OJ000229_18.0321.C11.o1.np	Method	AAT/NAP
Start	1	End	1349
GI	6983860	Score	594
Exons	1..55, 144..379, 578..1349		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40361	Seq. ID	OJ000229_18.0321.C11
Gene No.	83536	Strand	-
Start	1	End	2709
Name	OJ000229_18.0321.C11.o1.gs	Method	GENSCAN
Start	40	End	2709
GI	none	Score	.73
Exons	40..1380, 2665..2709		

Seq. No.	40361	Seq. ID	OJ000229_18.0321.C11
Gene No.	83536	Strand	-
Start	1	End	2709
Name	OJ000229_18.0321.C11.o1.tm	Method	TBLASTX:Maize
Start	619	End	918
GI	none	Score	61
Exons	619..918, 815..904		

Seq. No.	40361	Seq. ID	OJ000229_18.0321.C11
Gene No.	83536	Strand	-
Start	1	End	2709
Name	OJ000229_18.0321.C11.o1.tw	Method	TBLASTX:Wheat

Start	799	End	1158
GI	none	Score	138
Exons	799..1158, 863..1156		

Seq. No.	40362	Seq. ID	OJ000229_18.0321.C12
Gene No.	83537	Strand	+
Start	1	End	4347
Name	OJ000229_18.0321.C12.o1.np	Method	AAT/NAP
Start	1	End	212
GI	4680186	Score	273
Exons	1..212		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40362	Seq. ID	OJ000229_18.0321.C12
Gene No.	83537	Strand	+
Start	1	End	4347
Name	OJ000229_18.0321.C12.o1.gs	Method	GENSCAN
Start	100	End	4347
GI	none	Score	.45
Exons	100..160, 1248..1387, 2485..2619, 3174..3267, 3877..4079, 4303..4347		

Seq. No.	40362	Seq. ID	OJ000229_18.0321.C12
Gene No.	83538	Strand	-
Start	1	End	140
Name	OJ000229_18.0321.C12.o1.gp	Method	AAT/GAP
Start	1	End	140
GI	uC-osflcyp033a04b1	Score	257
Exons	1..140		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40362	Seq. ID	OJ000229_18.0321.C12
Gene No.	83539	Strand	-
Start	4277	End	4908
Name	OJ000229_18.0321.C12.o2.np	Method	AAT/NAP
Start	4277	End	4908
GI	7248393	Score	392
Exons	4277..4908		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	40362	Seq. ID	OJ000229_18.0321.C12
Gene No.	83539	Strand	-
Start	4277	End	4908
Name	OJ000229_18.0321.C12.o2.gs	Method	GENSCAN
Start	4493	End	4768
GI	none	Score	.89
Exons	4493..4768		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83540	Strand	+
Start	4419	End	5425
Name	OJ000229_18.0321.C16.o3.gs	Method	GENSCAN
Start	4419	End	5425
GI	none	Score	.43
Exons	4419..4836, 4842..4992, 5221..5425		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83541	Strand	-
Start	1183	End	3282
Name	OJ000229_18.0321.C16.o2.gs	Method	GENSCAN
Start	1183	End	3282
GI	none	Score	.92
Exons	1183..1342, 3000..3052, 3169..3282		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o4.gs	Method	GENSCAN
Start	5558	End	7579
GI	none	Score	.78
Exons	5558..5586, 5708..5970, 6054..6212, 6712..7057, 7256..7427, 7443..7579		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o2.tm	Method	TBLASTX:Maize
Start	6657	End	7184
GI	none	Score	56
Exons	6657..6767, 6660..6788, 6780..6833, 6858..6932, 6877..6933, 6942..7184, 6945..7184		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o1.np	Method	AAT/NAP
Start	6990	End	8126
GI	6705984	Score	1611
Exons	6990..8126		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o1.tw	Method	TBLASTX:Wheat
Start	7176	End	7577
GI	none	Score	92
Exons	7176..7370, 7176..7577, 7189..7572, 7413..7577		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o3.tm	Method	TBLASTX:Maize
Start	7185	End	7410
GI	none	Score	144
Exons	7185..7409, 7186..7410		

Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o4.tm	Method	TBLASTX:Maize
Start	7416	End	7715
GI	none	Score	96

Exons	7416..7715, 7561..7701		
Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o2.tw	Method	TBLASTX:Wheat
Start	7608	End	7954
GI	none	Score	123
Exons	7608..7793, 7615..7791, 7788..7949, 7796..7954, 7805..7954		
Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o1.tm	Method	TBLASTX:Maize
Start	7716	End	8048
GI	none	Score	61
Exons	7716..7784, 7716..7793, 7717..7791, 7789..7866, 7793..8047, 7794..8048		
Seq. No.	40363	Seq. ID	OJ000229_18.0321.C16
Gene No.	83542	Strand	-
Start	5558	End	8126
Name	OJ000229_18.0321.C16.o1.tc	Method	TBLASTX:Cress
Start	7780	End	8126
GI	none	Score	86
Exons	7780..8064, 7793..8125, 7794..8126		
Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83543	Strand	+
Start	6091	End	16007
Name	OJ000229_18.0321.C17.o2.np	Method	AAT/NAP
Start	6091	End	10950
GI	6815052	Score	1456
Exons	6091..6243, 6325..6400, 6682..6799, 7098..7197, 8065..8157, 8370..8505, 8554..9085, 10923..10950		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83543	Strand	+
Start	6091	End	16007
Name	OJ000229_18.0321.C17.o3.gs	Method	GENSCAN
Start	6091	End	6803
GI	none	Score	.93
Exons	6091..6400, 6682..6803		
Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83543	Strand	+
Start	6091	End	16007
Name	OJ000229_18.0321.C17.o4.np	Method	AAT/NAP
Start	10154	End	16007
GI	5852175	Score	34
Exons	10154..10581, 10611..10793, 11296..11425, 11989..12040, 15990..16007		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83544	Strand	-

Start	1	End	3087
Name	OJ000229_18.0321.C17.o1.np	Method	AAT/NAP
Start	1	End	3087
GI	6705984	Score	1091
Exons	1..1750, 3035..3087		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83544	Strand	-
Start	1	End	3087
Name	OJ000229_18.0321.C17.o1.gs	Method	GENSCAN
Start	627	End	1135
GI	none	Score	.43
Exons	627..692, 735..991, 1009..1135		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-
Start	9165	End	9885
Name	OJ000229_18.0321.C17.o1.tw	Method	TBLASTX:Wheat
Start	282	End	773
GI	none	Score	144
Exons	282..488, 322..489, 334..489, 365..490, 490..753, 492..773		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-
Start	9165	End	9885
Name	OJ000229_18.0321.C17.o1.tm	Method	TBLASTX:Maize
Start	297	End	530
GI	none	Score	126
Exons	297..530, 309..527		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-
Start	9165	End	9885
Name	OJ000229_18.0321.C17.o1.ts	Method	TBLASTX:Soybean
Start	297	End	530
GI	none	Score	120
Exons	297..530, 309..527		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-
Start	9165	End	9885
Name	OJ000229_18.0321.C17.o2.tw	Method	TBLASTX:Wheat
Start	1142	End	1678
GI	none	Score	106
Exons	1142..1399, 1245..1409, 1420..1488, 1436..1678, 1510..1677		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-
Start	9165	End	9885
Name	OJ000229_18.0321.C17.o3.tm	Method	TBLASTX:Maize
Start	1510	End	1696
GI	none	Score	102
Exons	1510..1677, 1513..1695, 1514..1696		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-

Start	9165	End	9885
Name	OJ000229_18.0321.C17.o2.tm	Method	TBLASTX:Maize
Start	3272	End	3801
GI	none	Score	53
Exons	3272..3424, 3284..3367, 3419..3457, 3455..3487, 3475..3801, 3491..3676, 3713..3799		

Seq. No.	40364	Seq. ID	OJ000229_18.0321.C17
Gene No.	83545	Strand	-
Start	9165	End	9885
Name	OJ000229_18.0321.C17.o3.np	Method	AAT/NAP
Start	9165	End	9885
GI	6815052	Score	415
Exons	9165..9283, 9565..9640, 9722..9885		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40365	Seq. ID	OJ000229_18.0321.C18
Gene No.	83546	Strand	+
Start	221	End	662
Name	OJ000229_18.0321.C18.o1.np	Method	AAT/NAP
Start	221	End	662
GI	6721560	Score	174
Exons	221..334, 376..662		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40365	Seq. ID	OJ000229_18.0321.C18
Gene No.	83547	Strand	-
Start	124	End	682
Name	OJ000229_18.0321.C18.o1.gs	Method	GENSCAN
Start	124	End	682
GI	none	Score	.55
Exons	124..550, 616..682		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+
Start	1	End	1105
Name	OJ000229_14.0327.C3.o1.np	Method	AAT/NAP
Start	1	End	1105
GI	7486861	Score	996
Exons	1..1105		
GI Descrip.	hypothetical protein T11I11.180 - Arabidopsis thaliana gi|5123711|emb|CAB45455.1| (AL079347) putative protein [Arabidopsis thaliana] gi|7270445|emb|CAB80211.1| (AL161586) putative protein [Arabidopsis thaliana]		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+
Start	1	End	1105
Name	OJ000229_14.0327.C3.o2.tm	Method	TBLASTX:Maize
Start	2	End	646
GI	none	Score	258
Exons	2..172, 3..173, 418..501, 492..611, 533..646		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+

Start	1	End	1105
Name	OJ000229_14.0327.C3.o1.gs	Method	GENSCAN
Start	54	End	1075
GI	none	Score	.99
Exons	54..1075		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+
Start	1	End	1105
Name	OJ000229_14.0327.C3.o1.tw	Method	TBLASTX:Wheat
Start	374	End	614
GI	none	Score	290
Exons	374..613, 375..614, 375..614		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+
Start	1	End	1105
Name	OJ000229_14.0327.C3.o1.tc	Method	TBLASTX:Cress
Start	384	End	1100
GI	none	Score	483
Exons	384..1100, 398..670		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+
Start	1	End	1105
Name	OJ000229_14.0327.C3.o1.ts	Method	TBLASTX:Soybean
Start	729	End	1105
GI	none	Score	459
Exons	729..1091, 737..1105		

Seq. No.	40366	Seq. ID	OJ000229_14.0327.C3
Gene No.	83548	Strand	+
Start	1	End	1105
Name	OJ000229_14.0327.C3.o1.tm	Method	TBLASTX:Maize
Start	767	End	1105
GI	none	Score	498
Exons	767..1105, 768..1103, 1007..1105		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83549	Strand	+
Start	285	End	1144
Name	OJ000229_14.0327.C6.o1.gs	Method	GENSCAN
Start	285	End	1144
GI	none	Score	.82
Exons	285..295, 547..657, 1015..1144		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83550	Strand	-
Start	2575	End	3382
Name	OJ000229_14.0327.C6.o1.gp	Method	AAT/GAP
Start	2332	End	2642
GI	2800368	Score	570
Exons	2332..2642		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83550	Strand	-
Start	2575	End	3382

Name	OJ000229_14.0327.C6.o2.gs	Method	GENSCAN
Start	2575	End	3382
GI	none	Score	.64
Exons	2575..3043, 3120..3382		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83550	Strand	-
Start	2575	End	3382
Name	OJ000229_14.0327.C6.o1.np	Method	AAT/NAP
Start	2578	End	3382
GI	127582	Score	856
Exons	2578..3043, 3120..3382		
GI Descrip.	MYB-RELATED PROTEIN ZM38 gi|82730|pir||S04899 transforming protein (myb) homolog (clone Zm38) - maize gi|227033|prf||1613412D myb-related gene Zm38 [Zea mays]		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83550	Strand	-
Start	2575	End	3382
Name	OJ000229_14.0327.C6.o2.gp	Method	AAT/GAP
Start	2766	End	3345
GI	LIB3434-018-P1-K1-F3	Score	959
Exons	2766..3043, 3120..3345		
GI Descrip.	'127582/sp|P20025|MYB3_MAIZE 2.0e-76 MYB-RELATED PROTEIN ZM38 >gi_82730_pir__S04899 transforming protein (myb) homolog (clone Zm38) - maize >gi_227033_prf__1613412D myb-related gene Zm38 [Zea mays]'		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83551	Strand	-
Start	4537	End	7759
Name	OJ000229_14.0327.C6.o3.gs	Method	GENSCAN
Start	4537	End	7759
GI	none	Score	.72
Exons	4537..4640, 5185..5268, 6132..6197, 7621..7759		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o1.tc	Method	TBLASTX:Cress
Start	2575	End	3383
GI	none	Score	130
Exons	2575..2607, 2665..2706, 2794..2874, 2887..3045, 2933..3046, 3119..3382, 3121..3153, 3249..3383		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o1.tw	Method	TBLASTX:Wheat
Start	2804	End	3383
GI	none	Score	135
Exons	2804..2839, 2929..3045, 2930..3046, 2960..3046, 3109..3153, 3119..3382, 3249..3383		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552

Name	OJ000229_14.0327.C6.o1.tm	Method	TBLASTX:Maize
Start	2806	End	3383
GI	none	Score	38
Exons	2806..2832, 2806..2844, 2915..3046, 2917..3045, 3103..3153, 3119..3382, 3249..3383		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o1.ts	Method	TBLASTX:Soybean
Start	2902	End	3383
GI	none	Score	142
Exons	2902..3045, 2903..3046, 3119..3382, 3249..3383		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o4.gs	Method	GENSCAN
Start	9233	End	11495
GI	none	Score	.84
Exons	9233..9263, 9826..10028, 10370..10472, 10568..10647, 10739..10821, 11393..11495		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o3.gp	Method	AAT/GAP
Start	9467	End	11552
GI	1748_1.R1084	Score	1680
Exons	9467..10028, 10370..10472, 10568..10647, 10739..10821, 11393..11441, 11522..11552		
GI Descrip.	'1019946 1.0e-116 (U37060) ascorbate peroxidase [Gossypium hirsutum]'		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o2.tm	Method	TBLASTX:Maize
Start	9822	End	11552
GI	none	Score	57
Exons	9822..9944, 9824..9934, 9840..9953, 9936..10031, 9946..10029, 9966..10040, 10368..10433, 10368..10478, 10369..10470, 10375..10479, 10376..10480, 10556..10648, 10567..10647, 10730..10822, 10731..10823, 10738..10824, 11382..11444, 11391..11441, 11392..11442, 11502..11552, 11522..11551		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o2.np	Method	AAT/NAP
Start	9825	End	11552
GI	5442410	Score	579
Exons	9825..10028, 10370..10472, 10568..10647, 10739..10821, 11393..11441, 11522..11552		
GI Descrip.	(AF159254) ascorbate peroxidase [Zantedeschia aethiopica]		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6

Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o2.ts	Method	TBLASTX:Soybean
Start	9852	End	11551
GI	none	Score	41
Exons	9852..9911, 9954..10031, 9961..10029, 10370..10432, 10383..10433, 10556..10648, 10567..10647, 10730..10822, 10731..10823, 11382..11444, 11392..11442, 11507..11551, 11510..11551		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o2.tw	Method	TBLASTX:Wheat
Start	9918	End	11542
GI	none	Score	152
Exons	9918..10031, 9919..10029, 10365..10478, 10368..10433, 10369..10470, 10375..10479, 10376..10480, 10556..10648, 10567..10647, 10730..10822, 10731..10823, 10738..10824, 10738..10836, 11382..11444, 11392..11442, 11522..11542		

Seq. No.	40367	Seq. ID	OJ000229_14.0327.C6
Gene No.	83552	Strand	-
Start	9233	End	11552
Name	OJ000229_14.0327.C6.o2.tc	Method	TBLASTX:Cress
Start	9951	End	11551
GI	none	Score	95
Exons	9951..10031, 9961..10029, 10370..10432, 10376..10465, 10408..10479, 10556..10648, 10567..10647, 10730..10822, 10731..10823, 11382..11444, 11522..11551		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83553	Strand	+
Start	2799	End	7304
Name	OJ000229_14.0327.C7.o2.np	Method	AAT/NAP
Start	2775	End	6998
GI	6686900	Score	1880
Exons	2775..3077, 3181..3296, 3413..3479, 3660..3752, 3866..4009, 4210..4304, 4470..4575, 4678..4762, 4864..4982, 5092..5444, 5527..5636, 5753..5862, 6152..6998		
GI Descrip.	(AJ270310) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83553	Strand	+
Start	2799	End	7304
Name	OJ000229_14.0327.C7.o2.gs	Method	GENSCAN
Start	2799	End	7021
GI	none	Score	.99
Exons	2799..3080, 3184..3296, 3413..3479, 3660..3752, 3866..4009, 4210..4304, 4470..4762, 4864..4982, 5092..5444, 5527..5636, 5753..5862, 6152..7021		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83553	Strand	+
Start	2799	End	7304
Name	OJ000229_14.0327.C7.o2.gp	Method	AAT/GAP
Start	3866	End	3999

GI	uC-osflcyp035h06b1	Score	259
Exons	3866..3999		
GI Descrip.	'4510395/gb|AAD21482.1| 3.0e-11 (AC006587) putative beta-galactosidase precursor [Arabidopsis thaliana]'		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83553	Strand	+
Start	2799	End	7304
Name	OJ000229_14.0327.C7.o3.gp	Method	AAT/GAP
Start	5395	End	6342
GI	uC-osflcyp035g07b1	Score	822
Exons	5395..5444, 5527..5636, 5753..5862, 6152..6342		
GI Descrip.	'4467146/emb|CAB37515| 2.0e-26 (AL035540) galactosidase like protein [Arabidopsis thaliana]'		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83553	Strand	+
Start	2799	End	7304
Name	OJ000229_14.0327.C7.o4.gp	Method	AAT/GAP
Start	6848	End	7304
GI	3761852	Score	797
Exons	6848..7304		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83554	Strand	+
Start	11485	End	14021
Name	OJ000229_14.0327.C7.o4.gs	Method	GENSCAN
Start	11485	End	14021
GI	none	Score	.8
Exons	11485..11533, 11848..12161, 12378..12430, 13346..13370, 14010..14021		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83555	Strand	-
Start	1	End	1437
Name	OJ000229_14.0327.C7.o1.np	Method	AAT/NAP
Start	1	End	1304
GI	3288066	Score	267
Exons	1..236, 1192..1304		
GI Descrip.	(AJ006030) ascorbate peroxidase [Arabidopsis thaliana]		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83555	Strand	-
Start	1	End	1437
Name	OJ000229_14.0327.C7.o1.gp	Method	AAT/GAP
Start	112	End	1437
GI	1748_1.R1084	Score	626
Exons	112..236, 1192..1437		
GI Descrip.	'1019946 1.0e-116 (U37060) ascorbate peroxidase [Gossypium hirsutum]'		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83555	Strand	-
Start	1	End	1437
Name	OJ000229_14.0327.C7.o1.gs	Method	GENSCAN
Start	112	End	1304
GI	none	Score	.74

Exons 112..236, 1192..1304

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7
Gene No. 83556 Strand -
Start 7914 End 10719
Name OJ000229_14.0327.C7.o2.tw Method TBLASTX:Wheat
Start 112 End 1307
GI none Score 173
Exons 112..246, 113..235, 114..248, 1176..1307, 1194..1304

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7
Gene No. 83556 Strand -
Start 7914 End 10719
Name OJ000229_14.0327.C7.o4.tm Method TBLASTX:Maize
Start 113 End 1384
GI none Score 200
Exons 113..235, 114..248, 123..245, 1176..1322, 1194..1304, 1367..1384

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7
Gene No. 83556 Strand -
Start 7914 End 10719
Name OJ000229_14.0327.C7.o2.tm Method TBLASTX:Maize
Start 2862 End 3482
GI none Score 327
Exons 2862..3077, 2871..2948, 2876..3085, 3181..3297, 3186..3296, 3411..3482, 3414..3482

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7
Gene No. 83556 Strand -
Start 7914 End 10719
Name OJ000229_14.0327.C7.o1.tc Method TBLASTX:Cress
Start 2895 End 3746
GI none Score 241
Exons 2895..3077, 2918..3076, 3181..3297, 3189..3233, 3258..3308, 3413..3478, 3414..3479, 3663..3746

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7
Gene No. 83556 Strand -
Start 7914 End 10719
Name OJ000229_14.0327.C7.o2.ts Method TBLASTX:Soybean
Start 2895 End 4985
GI none Score 247
Exons 2895..3077, 2924..3076, 3172..3297, 3181..3297, 3413..3478, 3414..3479, 3666..3755, 3859..3987, 3862..4029, 3863..4030, 4255..4299, 4470..4553, 4471..4575, 4650..4697, 4651..4740, 4717..4767, 4863..4985

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7
Gene No. 83556 Strand -
Start 7914 End 10719
Name OJ000229_14.0327.C7.o5.tm Method TBLASTX:Maize
Start 3666 End 4030
GI none Score 86
Exons 3666..3755, 3677..3751, 3861..4010, 3862..3879, 3863..4030, 3907..3999

Seq. No. 40368 Seq. ID OJ000229_14.0327.C7

Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o3.tc	Method	TBLASTX:Cress
Start	3876	End	4982
GI	none	Score	58
Exons	3876..3950, 3899..3949, 3955..4023, 3959..4018, 4210..4302, 4215..4298, 4471..4575, 4476..4574, 4663..4767, 4677..4763, 4863..4982		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o3.tm	Method	TBLASTX:Maize
Start	4197	End	4880
GI	none	Score	122
Exons	4197..4301, 4201..4305, 4470..4574, 4473..4574, 4474..4575, 4650..4763, 4651..4767, 4666..4770, 4679..4783, 4863..4880		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o1.tm	Method	TBLASTX:Maize
Start	4881	End	7020
GI	none	Score	131
Exons	4881..4982, 4883..4984, 4883..4987, 5077..5250, 5078..5131, 5089..5448, 5091..5444, 5145..5450, 5390..5446, 5524..5637, 5525..5638, 5525..5638, 5719..5856, 5731..5859, 5736..5867, 5751..5864, 6151..6276, 6152..6658, 6295..6654, 6493..6666, 6540..6665, 6663..6686, 6664..6687, 6665..6688, 6727..7020, 6728..6988		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o1.ts	Method	TBLASTX:Soybean
Start	6247	End	7056
GI	none	Score	75
Exons	6247..6327, 6254..6328, 6347..6658, 6349..6684, 6740..6934, 6751..6921, 6928..7056, 6941..6985		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o2.tc	Method	TBLASTX:Cress
Start	6341	End	6934
GI	none	Score	152
Exons	6341..6475, 6343..6456, 6475..6648, 6488..6676, 6731..6934		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o1.tw	Method	TBLASTX:Wheat
Start	6538	End	6990
GI	none	Score	171
Exons	6538..6660, 6540..6665, 6542..6661, 6663..6686, 6664..6693, 6665..6688, 6727..6990, 6728..6988		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o5.gp	Method	AAT/GAP
Start	7914	End	10719
GI	533_1.R1084	Score	1484
Exons	7914..8365, 8894..9016, 9564..9662, 10607..10719		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o3.gs	Method	GENSCAN
Start	8222	End	10657
GI	none	Score	.98
Exons	8222..8365, 8894..9016, 9564..9662, 10607..10657		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o3.np	Method	AAT/NAP
Start	8240	End	10654
GI	113172	Score	452
Exons	8240..8365, 8894..9016, 9564..9662, 10607..10654		
GI Descrip.	ACYL CARRIER PROTEIN III PRECURSOR (ACP III) gi|100561|pir||S17928 acyl carrier protein 3 - barley gi|166971 (M58754) acyl carrier protein III [Hordeum vulgare]		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o3.tw	Method	TBLASTX:Wheat
Start	8243	End	9608
GI	none	Score	105
Exons	8243..8365, 8244..8375, 8248..8385, 8891..9016, 8892..9017, 8893..9018, 9564..9608, 9568..9606		

Seq. No.	40368	Seq. ID	OJ000229_14.0327.C7
Gene No.	83556	Strand	-
Start	7914	End	10719
Name	OJ000229_14.0327.C7.o6.tm	Method	TBLASTX:Maize
Start	8255	End	10670
GI	none	Score	64
Exons	8255..8332, 8255..8365, 8298..8375, 8891..9016, 8892..9017, 9559..9663, 9567..9665, 9567..9668, 10602..10670		

Seq. No.	40369	Seq. ID	OJ000229_14.0327.C8
Gene No.	83557	Strand	+
Start	1	End	6258
Name	OJ000229_14.0327.C8.o1.np	Method	AAT/NAP
Start	1	End	4589
GI	4510349	Score	106
Exons	1..26, 3037..3183, 4480..4589		
GI Descrip.	(AC006921) putative bZIP transcription factor [Arabidopsis		

thaliana]

Seq. No.	40369	Seq. ID	OJ000229_14.0327.C8
Gene No.	83557	Strand	+
Start	1	End	6258
Name	OJ000229_14.0327.C8.o2.gs	Method	GENSCAN
Start	2826	End	6258
GI	none	Score	.42
Exons	2826..3179, 3239..3367, 4260..4708, 5430..5608, 5614..5712, 5978..6258		

Seq. No.	40369	Seq. ID	OJ000229_14.0327.C8
Gene No.	83558	Strand	+
Start	9313	End	10208
Name	OJ000229_14.0327.C8.o4.gs	Method	GENSCAN
Start	9313	End	10208
GI	none	Score	.78
Exons	9313..9451, 9511..10208		

Seq. No.	40369	Seq. ID	OJ000229_14.0327.C8
Gene No.	83558	Strand	+
Start	9313	End	10208
Name	OJ000229_14.0327.C8.o1.gp	Method	AAT/GAP
Start	9701	End	10069
GI	2312964	Score	693
Exons	9701..10069		

Seq. No.	40369	Seq. ID	OJ000229_14.0327.C8
Gene No.	83559	Strand	-
Start	6472	End	7616
Name	OJ000229_14.0327.C8.o3.gs	Method	GENSCAN
Start	6472	End	7616
GI	none	Score	.5
Exons	6472..6580, 7591..7616		

Seq. No.	40370	Seq. ID	OJ000229_14.0327.C12
Gene No.	83560	Strand	+
Start	238	End	730
Name	OJ000229_14.0327.C12.o1.gs	Method	GENSCAN
Start	238	End	730
GI	none	Score	.94
Exons	238..730		

Seq. No.	40370	Seq. ID	OJ000229_14.0327.C12
Gene No.	83561	Strand	-
Start	1023	End	3128
Name	OJ000229_14.0327.C12.o2.gs	Method	GENSCAN
Start	1023	End	3128
GI	none	Score	.43
Exons	1023..1539, 2384..2841, 2892..3128		

Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83562	Strand	+
Start	607	End	7231
Name	OJ000229_14.0327.C13.o1.gs	Method	GENSCAN
Start	607	End	3955
GI	none	Score	.41

Exons	607..755, 1243..1300, 2041..2128, 2363..2561, 3486..3691, 3898..3955		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83562	Strand	+
Start	607	End	7231
Name	OJ000229_14.0327.C13.o1.gp	Method	AAT/GAP
Start	659	End	1023
GI	3761585	Score	674
Exons	659..1023		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83562	Strand	+
Start	607	End	7231
Name	OJ000229_14.0327.C13.o2.gp	Method	AAT/GAP
Start	1545	End	1932
GI	3761586	Score	696
Exons	1545..1932		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83562	Strand	+
Start	607	End	7231
Name	OJ000229_14.0327.C13.o1.np	Method	AAT/NAP
Start	3081	End	7231
GI	6069653	Score	566
Exons	3081..3109, 4352..5515, 5674..5970, 7192..7231		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83562	Strand	+
Start	607	End	7231
Name	OJ000229_14.0327.C13.o2.np	Method	AAT/NAP
Start	4348	End	6015
GI	6069654	Score	598
Exons	4348..6015		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83563	Strand	+
Start	8445	End	8876
Name	OJ000229_14.0327.C13.o3.gs	Method	GENSCAN
Start	8445	End	8876
GI	none	Score	.91
Exons	8445..8876		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83564	Strand	-
Start	9876	End	14064
Name	OJ000229_14.0327.C13.o1.tm	Method	TBLASTX:Maize
Start	8438	End	8819
GI	none	Score	68
Exons	8438..8506, 8441..8512, 8445..8519, 8556..8696, 8567..8737, 8615..8737, 8677..8766, 8694..8813, 8700..8819		
Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83564	Strand	-
Start	9876	End	14064

Name	OJ000229_14.0327.C13.o1.tc	Method	TBLASTX:Cress
Start	8441	End	8807
GI	none	Score	81
Exons	8441..8515, 8442..8540, 8550..8807, 8576..8791		

Seq. No.	40371	Seq. ID	OJ000229_14.0327.C13
Gene No.	83564	Strand	-
Start	9876	End	14064
Name	OJ000229_14.0327.C13.o4.gs	Method	GENSCAN
Start	9876	End	14064
GI	none	Score	.87
Exons	9876..10149, 10250..11232, 11325..12338, 12418..12677, 13479..13529, 13767..14064		

Seq. No.	40372	Seq. ID	OJ000229_14.0327.C16
Gene No.	83565	Strand	-
Start	1	End	1299
Name	OJ000229_14.0327.C16.o1.np	Method	AAT/NAP
Start	1	End	1296
GI	6651292	Score	401
Exons	1..232, 1009..1296		
GI Descrip.	(AF161711) myb-related transcription factor [Pimpinella brachycarpa]		

Seq. No.	40372	Seq. ID	OJ000229_14.0327.C16
Gene No.	83565	Strand	-
Start	1	End	1299
Name	OJ000229_14.0327.C16.o1.ts	Method	TBLASTX:Soybean
Start	1009	End	1299
GI	none	Score	49
Exons	1009..1299, 1031..1078, 1124..1297		

Seq. No.	40372	Seq. ID	OJ000229_14.0327.C16
Gene No.	83565	Strand	-
Start	1	End	1299
Name	OJ000229_14.0327.C16.o1.tw	Method	TBLASTX:Wheat
Start	1009	End	1297
GI	none	Score	177
Exons	1009..1296, 1031..1297, 1049..1297		

Seq. No.	40372	Seq. ID	OJ000229_14.0327.C16
Gene No.	83565	Strand	-
Start	1	End	1299
Name	OJ000229_14.0327.C16.o1.tm	Method	TBLASTX:Maize
Start	1021	End	1264
GI	none	Score	281
Exons	1021..1263, 1031..1264		

Seq. No.	40372	Seq. ID	OJ000229_14.0327.C16
Gene No.	83565	Strand	-
Start	1	End	1299
Name	OJ000229_14.0327.C16.o1.tc	Method	TBLASTX:Cress
Start	1025	End	1297
GI	none	Score	68
Exons	1025..1081, 1033..1296, 1121..1297		

Seq. No.	40372	Seq. ID	OJ000229_14.0327.C16

Gene No.	83565	Strand	-
Start	1	End	1299
Name	OJ000229_14.0327.C16.o1.gs	Method	GENSCAN
Start	1034	End	1296
GI	none	Score	.93
Exons	1034..1296		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o1.gs	Method	GENSCAN
Start	420	End	4093
GI	none	Score	.95
Exons	420..467, 2905..3091, 3198..3376, 3659..4093		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o1.np	Method	AAT/NAP
Start	603	End	3841
GI	5852093	Score	77
Exons	603..659, 1987..2144, 3704..3841		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o1.gp	Method	AAT/GAP
Start	2865	End	3258
GI	none	Score	488
Exons	2865..3091, 3198..3258		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o2.np	Method	AAT/NAP
Start	2919	End	5063
GI	6598805	Score	361
Exons	2919..3091, 3198..3376, 3659..4035, 4944..5063		
GI Descrip.	(AF024504) unknown protein [Arabidopsis thaliana]		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o2.gp	Method	AAT/GAP
Start	3644	End	3990
GI	none	Score	586
Exons	3644..3990		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o1.tm	Method	TBLASTX:Maize
Start	3658	End	4045
GI	none	Score	136
Exons	3658..3756, 3659..3796, 3659..3796, 3913..3975, 3914..3976, 3962..4045		

Seq. No.	40373	Seq. ID	OJ000229_14.0327.C18
Gene No.	83566	Strand	+
Start	420	End	5063
Name	OJ000229_14.0327.C18.o1.tc	Method	TBLASTX:Cress
Start	3913	End	4045
GI	none	Score	183
Exons	3913..4038, 3914..4045		

Seq. No.	40374	Seq. ID	OJ000229_14.0327.C19
Gene No.	83567	Strand	+
Start	2886	End	4446
Name	OJ000229_14.0327.C19.o1.np	Method	AAT/NAP
Start	2435	End	3254
GI	1495259	Score	191
Exons	2435..2515, 3030..3254		
GI Descrip.	(X97826) orf04 [Arabidopsis thaliana]		

Seq. No.	40374	Seq. ID	OJ000229_14.0327.C19
Gene No.	83567	Strand	+
Start	2886	End	4446
Name	OJ000229_14.0327.C19.o2.gs	Method	GENSCAN
Start	2886	End	4446
GI	none	Score	.71
Exons	2886..3251, 4228..4446		

Seq. No.	40374	Seq. ID	OJ000229_14.0327.C19
Gene No.	83567	Strand	+
Start	2886	End	4446
Name	OJ000229_14.0327.C19.o1.tm	Method	TBLASTX:Maize
Start	3027	End	3254
GI	none	Score	314
Exons	3027..3254, 3030..3251, 3110..3253		

Seq. No.	40374	Seq. ID	OJ000229_14.0327.C19
Gene No.	83567	Strand	+
Start	2886	End	4446
Name	OJ000229_14.0327.C19.o1.tc	Method	TBLASTX:Cress
Start	3030	End	3254
GI	none	Score	239
Exons	3030..3254, 3110..3253		

Seq. No.	40374	Seq. ID	OJ000229_14.0327.C19
Gene No.	83567	Strand	+
Start	2886	End	4446
Name	OJ000229_14.0327.C19.o1.ts	Method	TBLASTX:Soybean
Start	3045	End	3250
GI	none	Score	211
Exons	3045..3248, 3110..3250		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83568	Strand	+
Start	399	End	3431
Name	OJ000229_14.0327.C20.o1.np	Method	AAT/NAP
Start	399	End	3410
GI	5668808	Score	1119
Exons	399..433, 1745..2402, 2858..3410		

GI Descrip. (AC007519) F16N3.20 [Arabidopsis thaliana]

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83568	Strand	+
Start	399	End	3431
Name	OJ000229_14.0327.C20.o2.gs	Method	GENSCAN
Start	1780	End	3431
GI	none	Score	.91
Exons	1780..2402, 2858..3431		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83569	Strand	+
Start	4593	End	7102
Name	OJ000229_14.0327.C20.o1.gp	Method	AAT/GAP
Start	4543	End	4914
GI	426277	Score	513
Exons	4543..4668, 4756..4914		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83569	Strand	+
Start	4593	End	7102
Name	OJ000229_14.0327.C20.o2.np	Method	AAT/NAP
Start	4590	End	7102
GI	3914467	Score	750
Exons	4590..4668, 4756..4946, 6096..6233, 6309..6449, 6543..6593, 6688..6798, 7032..7102		
GI Descrip.	26S PROTEASOME REGULATORY SUBUNIT S3 (NUCLEAR ANTIGEN 21D7) gi|1864003|dbj|BAA19252| (AB001422) 21D7 [Nicotiana tabacum]		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83569	Strand	+
Start	4593	End	7102
Name	OJ000229_14.0327.C20.o3.gs	Method	GENSCAN
Start	4593	End	6798
GI	none	Score	.87
Exons	4593..4668, 4756..4946, 4994..5119, 6096..6233, 6309..6445, 6539..6593, 6688..6798		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83569	Strand	+
Start	4593	End	7102
Name	OJ000229_14.0327.C20.o2.gp	Method	AAT/GAP
Start	6119	End	7102
GI	9001_1.R1084	Score	866
Exons	6119..6233, 6309..6445, 6539..6593, 6688..6798, 7032..7102		
GI Descrip.	'3914467/sp|P93768|PSD3_TOBAC 5.0e-83 26S PROTEASOME REGULATORY SUBUNIT S3 (NUCLEAR ANTIGEN 21D7) >gi_1864003_dbj_BAA19252_ (AB001422) 21D7 [Nicotiana tabacum]'		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83570	Strand	-
Start	71	End	1062
Name	OJ000229_14.0327.C20.o1.gs	Method	GENSCAN
Start	71	End	1062
GI	none	Score	.56
Exons	71..151, 208..793, 893..1062		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83571	Strand	
Start	1776	End	3415
Name	OJ000229_14.0327.C20.o1.tc	Method	TBLASTX:Cress
Start	1776	End	3398
GI	none	Score	572
Exons	1776..2402, 1777..2400, 2841..2873, 2858..2983, 2862..2933, 3024..3398, 3107..3235		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83571	Strand	
Start	1776	End	3415
Name	OJ000229_14.0327.C20.o1.ts	Method	TBLASTX:Soybean
Start	1776	End	3392
GI	none	Score	489
Exons	1776..2039, 1777..2406, 2862..2933, 2870..2986, 3015..3392, 3056..3349		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83571	Strand	
Start	1776	End	3415
Name	OJ000229_14.0327.C20.o3.tm	Method	TBLASTX:Maize
Start	1776	End	2385
GI	none	Score	200
Exons	1776..2024, 1777..2025, 2017..2214, 2074..2220, 2224..2289, 2302..2385, 2305..2364		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83571	Strand	
Start	1776	End	3415
Name	OJ000229_14.0327.C20.o1.tw	Method	TBLASTX:Wheat
Start	1951	End	2220
GI	none	Score	199
Exons	1951..2217, 1989..2039, 2164..2220		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83571	Strand	
Start	1776	End	3415
Name	OJ000229_14.0327.C20.o1.tm	Method	TBLASTX:Maize
Start	2912	End	3415
GI	none	Score	594
Exons	2912..3409, 3012..3404, 3275..3415		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83572	Strand	
Start	4755	End	7102
Name	OJ000229_14.0327.C20.o2.tm	Method	TBLASTX:Maize
Start	4755	End	7102
GI	none	Score	165
Exons	4755..4814, 4758..4946, 4898..4948, 6093..6233, 6094..6228, 6096..6233, 6307..6447, 6309..6461, 6490..6594, 6539..6604, 6540..6611, 6669..6797, 6685..6813, 6739..6798, 7028..7102, 7029..7100, 7030..7101, 7031..7102		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83572	Strand	
Start	4755	End	7102

Name	OJ000229_14.0327.C20.o2.ts	Method	TBLASTX:Soybean
Start	4758	End	7100
GI	none	Score	115
Exons	4758..4946, 6093..6233, 6096..6233, 6308..6445, 6309..6461, 6540..6611, 6542..6589, 6684..6797, 6739..6798, 7028..7099, 7029..7100		

Seq. No.	40375	Seq. ID	OJ000229_14.0327.C20
Gene No.	83572	Strand	
Start	4755	End	7102
Name	OJ000229_14.0327.C20.o2.tc	Method	TBLASTX:Cress
Start	6183	End	7102
GI	none	Score	73
Exons	6183..6233, 6185..6232, 6304..6438, 6306..6440, 6308..6445, 6309..6470, 6543..6611, 6685..6798, 6726..6812, 6739..6798, 7028..7102, 7029..7100		

Seq. No.	40376	Seq. ID	OJ000229_14.0327.C22
Gene No.	83573	Strand	+
Start	62	End	194
Name	OJ000229_14.0327.C22.o1.gs	Method	GENSCAN
Start	62	End	194
GI	none	Score	.8
Exons	62..194		

Seq. No.	40377	Seq. ID	OJ000229_14.0327.C23
Gene No.	83574	Strand	+
Start	12	End	1715
Name	OJ000229_14.0327.C23.o1.gs	Method	GENSCAN
Start	12	End	1715
GI	none	Score	.76
Exons	12..75, 678..791, 1349..1392, 1527..1715		

Seq. No.	40377	Seq. ID	OJ000229_14.0327.C23
Gene No.	83575	Strand	-
Start	4117	End	4285
Name	OJ000229_14.0327.C23.o1.gp	Method	AAT/GAP
Start	3843	End	4278
GI	1044_1.R1084	Score	799
Exons	3843..4278		
GI Descrip.	'3024432/sp|O04861|PRC6_ORYSA 1.0e-127 PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) >gi_1930070 (U92540) proteasome alpha subunit [Oryza sativa]'		

Seq. No.	40377	Seq. ID	OJ000229_14.0327.C23
Gene No.	83575	Strand	-
Start	4117	End	4285
Name	OJ000229_14.0327.C23.o2.gs	Method	GENSCAN
Start	4117	End	4278
GI	none	Score	.92
Exons	4117..4278		

Seq. No.	40377	Seq. ID	OJ000229_14.0327.C23
Gene No.	83575	Strand	-
Start	4117	End	4285
Name	OJ000229_14.0327.C23.o1.np	Method	AAT/NAP
Start	4120	End	4285

GI	3024432	Score	234
Exons	4120..4285		
GI Descrip.	PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) gi|1930070 (U92540) proteasome alpha subunit [Oryza sativa]		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276
Name	OJ000229_14.0327.C24.o1.np	Method	AAT/NAP
Start	518	End	2276
GI	3024432	Score	803
Exons	518..565, 1698..2112, 2183..2276		
GI Descrip.	PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) gi|1930070 (U92540) proteasome alpha subunit [Oryza sativa]		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276
Name	OJ000229_14.0327.C24.o1.tc	Method	TBLASTX:Cress
Start	1695	End	2275
GI	none	Score	453
Exons	1695..2117, 1696..2118, 2182..2274, 2183..2275		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276
Name	OJ000229_14.0327.C24.o1.ts	Method	TBLASTX:Soybean
Start	1695	End	2275
GI	none	Score	489
Exons	1695..2117, 1696..2118, 2023..2154, 2182..2217, 2182..2274, 2183..2275		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276
Name	OJ000229_14.0327.C24.o1.tm	Method	TBLASTX:Maize
Start	1695	End	2275
GI	none	Score	596
Exons	1695..2117, 1696..2118, 2026..2154, 2089..2163, 2165..2215, 2181..2216, 2182..2274, 2183..2275		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276
Name	OJ000229_14.0327.C24.o1.gp	Method	AAT/GAP
Start	1696	End	2276
GI	1044_1.R1084	Score	974
Exons	1696..2112, 2183..2276		
GI Descrip.	'3024432/sp|O04861|PRC6_ORYSA 1.0e-127 PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) >gi_1930070 (U92540) proteasome alpha subunit [Oryza sativa]'		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276

Name	OJ000229_14.0327.C24.o1.gs	Method	GENSCAN
Start	1698	End	2108
GI	none	Score	.79
Exons	1698..2108		

Seq. No.	40378	Seq. ID	OJ000229_14.0327.C24
Gene No.	83576	Strand	-
Start	518	End	2276
Name	OJ000229_14.0327.C24.o1.tw	Method	TBLASTX:Wheat
Start	1921	End	2275
GI	none	Score	304
Exons	1921..2118, 1923..2117, 1928..2128, 2026..2154, 2165..2215, 2181..2216, 2182..2217, 2182..2274, 2183..2275		

Seq. No.	40379	Seq. ID	OJ000229_14.0327.C25
Gene No.	83577	Strand	+
Start	126	End	993
Name	OJ000229_14.0327.C25.o1.gs	Method	GENSCAN
Start	126	End	993
GI	none	Score	.92
Exons	126..265, 908..993		

Seq. No.	40379	Seq. ID	OJ000229_14.0327.C25
Gene No.	83578	Strand	-
Start	1	End	97
Name	OJ000229_14.0327.C25.o1.gp	Method	AAT/GAP
Start	1	End	97
GI	1044_1.R1084	Score	194
Exons	1..97		
GI Descrip.	'3024432/sp|O04861|PRC6_ORYSA 1.0e-127 PROTEASOME ALPHA SUBUNIT (MULTICATALYTIC ENDOPEPTIDASE COMPLEX ALPHA SUBUNIT) >gi_1930070 (U92540) proteasome alpha subunit [Oryza sativa]'		

Seq. No.	40379	Seq. ID	OJ000229_14.0327.C25
Gene No.	83579	Strand	-
Start	2165	End	3193
Name	OJ000229_14.0327.C25.o2.gs	Method	GENSCAN
Start	2165	End	3193
GI	none	Score	.7
Exons	2165..3193		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83580	Strand	+
Start	284	End	6329
Name	OJ000229_14.0327.C26.o1.gs	Method	GENSCAN
Start	284	End	6329
GI	none	Score	.52
Exons	284..383, 472..519, 697..1064, 1127..4616, 5497..5554, 5937..5984, 6168..6329		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83580	Strand	+
Start	284	End	6329
Name	OJ000229_14.0327.C26.o1.np	Method	AAT/NAP
Start	713	End	4617
GI	6539553	Score	6749
Exons	713..4617		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83581	Strand	-
Start	7303	End	10145
Name	OJ000229_14.0327.C26.o2.gs	Method	GENSCAN
Start	7303	End	10145
GI	none	Score	.83
Exons	7303..7361, 7422..7497, 7845..7906, 8674..8884, 8897..8966, 9267..9948, 10061..10145		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83581	Strand	-
Start	7303	End	10145
Name	OJ000229_14.0327.C26.o2.np	Method	AAT/NAP
Start	8735	End	9949
GI	7442168	Score	779
Exons	8735..9027, 9278..9949		

GI Descrip. pathogenesis-related protein F20M13.220 - Arabidopsis thaliana gi|4467153|emb|CAB37522.1| (AL035540) putative thaumatin-like protein [Arabidopsis thaliana] gi|7270849|emb|CAB80530.1| (AL161593) putative thaumatin-like protein [Arabidopsis thaliana]

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o4.tw	Method	TBLASTX:Wheat
Start	707	End	1093
GI	none	Score	354
Exons	707..1093, 718..1092		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o3.tm	Method	TBLASTX:Maize
Start	842	End	1155
GI	none	Score	366
Exons	842..1153, 850..1155		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o2.tm	Method	TBLASTX:Maize
Start	1653	End	1975
GI	none	Score	268
Exons	1653..1907, 1660..1974, 1680..1973, 1808..1975		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o6.ts	Method	TBLASTX:Soybean
Start	2002	End	2388
GI	none	Score	90

Exons	2002..2157, 2140..2388		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o6.tm	Method	TBLASTX:Maize
Start	2176	End	2610
GI	none	Score	301
Exons	2176..2610, 2385..2585		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o5.tw	Method	TBLASTX:Wheat
Start	2253	End	2445
GI	none	Score	131
Exons	2253..2444, 2254..2445, 2254..2445		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o4.ts	Method	TBLASTX:Soybean
Start	2398	End	2796
GI	none	Score	197
Exons	2398..2622, 2406..2576, 2623..2796, 2631..2669		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o3.tc	Method	TBLASTX:Cress
Start	2431	End	2820
GI	none	Score	112
Exons	2431..2613, 2626..2820		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o1.tw	Method	TBLASTX:Wheat
Start	2446	End	3201
GI	none	Score	634
Exons	2446..2910, 2454..2933, 2954..3184, 2962..3201, 2984..3181, 3042..3200		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o2.ts	Method	TBLASTX:Soybean
Start	3121	End	3585
GI	5509260	Score	383
Exons	3121..3585, 3222..3290, 3339..3434, 3507..3566		
GI Descrip.	-		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o2.tc	Method	TBLASTX:Cress
Start	3214	End	3474

GI	none	Score	286
Exons	3214..3474, 3216..3293		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o4.tm	Method	TBLASTX:Maize
Start	3255	End	3720
GI	none	Score	361
Exons	3255..3437, 3256..3720, 3391..3573, 3507..3617		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o3.tw	Method	TBLASTX:Wheat
Start	3256	End	3801
GI	none	Score	319
Exons	3256..3600, 3403..3576, 3595..3801, 3669..3791		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o3.ts	Method	TBLASTX:Soybean
Start	3654	End	3999
GI	none	Score	314
Exons	3654..3854, 3655..3999		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o5.tm	Method	TBLASTX:Maize
Start	3810	End	4149
GI	none	Score	318
Exons	3810..4148, 3811..4149		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o2.tw	Method	TBLASTX:Wheat
Start	4005	End	4481
GI	none	Score	101
Exons	4005..4076, 4006..4080, 4094..4402, 4095..4481, 4096..4443		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o5.ts	Method	TBLASTX:Soybean
Start	4012	End	4353
GI	none	Score	91
Exons	4012..4125, 4038..4118, 4144..4353, 4149..4274		

Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o7.tw	Method	TBLASTX:Wheat
Start	9263	End	9485
GI	none	Score	146

Exons	9263..9310, 9317..9484, 9318..9485		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o7.tm	Method	TBLASTX:Maize
Start	9266	End	9485
GI	none	Score	137
Exons	9266..9307, 9317..9484, 9318..9485		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o1.ts	Method	TBLASTX:Soybean
Start	9269	End	9929
GI	none	Score	178
Exons	9269..9505, 9285..9494, 9503..9565, 9572..9925, 9576..9929		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o1.tc	Method	TBLASTX:Cress
Start	9282	End	9929
GI	none	Score	97
Exons	9282..9485, 9287..9484, 9494..9568, 9504..9548, 9575..9925, 9576..9929		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o6.tw	Method	TBLASTX:Wheat
Start	9488	End	9904
GI	none	Score	60
Exons	9488..9706, 9489..9626, 9648..9710, 9710..9799, 9845..9904		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o1.tm	Method	TBLASTX:Maize
Start	9569	End	9878
GI	none	Score	249
Exons	9569..9745, 9570..9755, 9747..9878, 9749..9877		
Seq. No.	40380	Seq. ID	OJ000229_14.0327.C26
Gene No.	83582	Strand	-
Start	13011	End	13079
Name	OJ000229_14.0327.C26.o3.gs	Method	GENSCAN
Start	13011	End	13079
GI	none	Score	.79
Exons	13011..13079		
Seq. No.	40381	Seq. ID	OJ000229_14.0327.C27
Gene No.	83583	Strand	+
Start	427	End	797
Name	OJ000229_14.0327.C27.o1.gs	Method	GENSCAN
Start	427	End	797
GI	none	Score	.69

Exons	427..530, 726..797		
Seq. No.	40382	Seq. ID	OJ000229_14.0327.C28
Gene No.	83584	Strand	-
Start	1	End	414
Name	OJ000229_14.0327.C28.o1.np	Method	AAT/NAP
Start	1	End	253
GI	7486861	Score	230
Exons	1..253		
GI Descrip.	hypothetical protein T11I11.180 - Arabidopsis thaliana gi|5123711|emb|CAB45455.1| (AL079347) putative protein [Arabidopsis thaliana] gi|7270445|emb|CAB80211.1| (AL161586) putative protein [Arabidopsis thaliana]		
Seq. No.	40382	Seq. ID	OJ000229_14.0327.C28
Gene No.	83584	Strand	-
Start	1	End	414
Name	OJ000229_14.0327.C28.o1.gs	Method	GENSCAN
Start	137	End	414
GI	none	Score	.61
Exons	137..250, 309..414		
Seq. No.	40382	Seq. ID	OJ000229_14.0327.C28
Gene No.	83585	Strand	-
Start	1593	End	1853
Name	OJ000229_14.0327.C28.o2.gs	Method	GENSCAN
Start	1593	End	1853
GI	none	Score	.95
Exons	1593..1853		
Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83586	Strand	+
Start	333	End	416
Name	OJ000229_14.0327.C29.o1.gs	Method	GENSCAN
Start	333	End	416
GI	none	Score	.59
Exons	333..416		
Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83587	Strand	-
Start	677	End	1216
Name	OJ000229_14.0327.C29.o1.gp	Method	AAT/GAP
Start	677	End	1216
GI	7390_1.R1084	Score	1033
Exons	677..1216		
GI Descrip.	'3880441/emb|CAB04890.1| 2.0e-10 (Z82062) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D76353 comes from this gene; cDNA EST EMBL:D71838 comes from this gene; cDNA EST EMBL:D74561 comes from this gene; cDNA EST EMBL:D73319 comes from this '		
Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83587	Strand	-
Start	677	End	1216
Name	OJ000229_14.0327.C29.o1.np	Method	AAT/NAP
Start	705	End	1208
GI	7488763	Score	200

Exons	705..779, 816..1208		
GI Descrip.	DnaJ protein homolog - kidney bean (fragment) gi|1684851|gb|AAB36543.1| (U77935) DnaJ-like protein [Phaseolus vulgaris]		

Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o2.ts	Method	TBLASTX:Soybean
Start	702	End	1013
GI	none	Score	42
Exons	702..722, 703..735, 828..911, 853..903, 907..1005, 912..1013		

Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o2.tw	Method	TBLASTX:Wheat
Start	787	End	1013
GI	none	Score	41
Exons	787..810, 843..1013, 853..1005, 942..1007		

Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o2.tm	Method	TBLASTX:Maize
Start	804	End	1152
GI	none	Score	46
Exons	804..914, 853..903, 895..1014, 900..1013, 1129..1152		

Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o2.gp	Method	AAT/GAP
Start	4046	End	4812
GI	2311727	Score	829
Exons	4046..4365, 4612..4720, 4790..4812		
GI Descrip.	3880441/emb|CAB04890.1| 2.0e-10 (Z82062) similar to Zinc finger, C3HC4 type (RING finger); cDNA EST EMBL:D76353 comes from this gene; cDNA EST EMBL:D71838 comes from this gene; cDNA EST EMBL:D74561 comes from this gene; cDNA EST EMBL:D73319 comes from this		

Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o1.tm	Method	TBLASTX:Maize
Start	4201	End	4882
GI	none	Score	35
Exons	4201..4245, 4311..4367, 4312..4368, 4607..4720, 4608..4769, 4609..4722, 4781..4882, 4783..4881, 4784..4882		

Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o1.tw	Method	TBLASTX:Wheat
Start	4312	End	4881
GI	none	Score	63

Exons	4312..4368, 4313..4366, 4607..4729, 4607..4720, 4609..4722, 4781..4879, 4783..4881		
Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o2.np	Method	AAT/NAP
Start	4330	End	4896
GI	6522599	Score	112
Exons	4330..4365, 4612..4720, 4790..4896		
GI Descrip.	(AL133292) zinc-finger-like protein [Arabidopsis thaliana]		
Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o1.tc	Method	TBLASTX:Cress
Start	4609	End	4876
GI	none	Score	104
Exons	4609..4719, 4610..4720, 4781..4876, 4783..4875		
Seq. No.	40383	Seq. ID	OJ000229_14.0327.C29
Gene No.	83588	Strand	-
Start	4046	End	4896
Name	OJ000229_14.0327.C29.o1.ts	Method	TBLASTX:Soybean
Start	4609	End	4882
GI	none	Score	111
Exons	4609..4719, 4610..4720, 4781..4882, 4783..4881		
Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o1.np	Method	AAT/NAP
Start	1	End	1789
GI	7506276	Score	64
Exons	1..26, 1467..1789		
GI Descrip.	hypothetical protein R04E5.8 - Caenorhabditis elegans gi|1109849|gb|AAC48181.1| (U41538) proline rich [Caenorhabditis elegans]		
Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o1.gs	Method	GENSCAN
Start	140	End	3448
GI	none	Score	.61
Exons	140..181, 836..936, 1055..1364, 1467..1573, 2506..2675, 3324..3448		
Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o1.gp	Method	AAT/GAP
Start	1070	End	1691
GI	none	Score	1012
Exons	1070..1364, 1467..1691		
Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30

Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o2.np	Method	AAT/NAP
Start	2474	End	3425
GI	4803924	Score	119
Exons	2474..2524, 3320..3425		
GI Descrip.	(AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		

Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o2.gp	Method	AAT/GAP
Start	2750	End	3386
GI	none	Score	1043
Exons	2750..3249, 3324..3386		

Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o1.tm	Method	TBLASTX:Maize
Start	3189	End	3455
GI	none	Score	74
Exons	3189..3251, 3202..3252, 3324..3455, 3326..3454		

Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o1.tc	Method	TBLASTX:Cress
Start	3201	End	3455
GI	none	Score	78
Exons	3201..3251, 3202..3252, 3324..3455, 3326..3454		

Seq. No.	40384	Seq. ID	OJ000229_14.0327.C30
Gene No.	83589	Strand	-
Start	1	End	3455
Name	OJ000229_14.0327.C30.o1.ts	Method	TBLASTX:Soybean
Start	3201	End	3455
GI	none	Score	73
Exons	3201..3251, 3205..3252, 3317..3454, 3324..3455		

Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.gp	Method	AAT/GAP
Start	1	End	587
GI	8486_1.R1084	Score	341
Exons	1..24, 382..587		
GI Descrip.	'4803924/gb|AAD29797.1|AC006264_5 1.0e-103 (AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]'		

Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.np	Method	AAT/NAP
Start	1	End	1577
GI	4803924	Score	244

Exons	1..23, 384..584, 1530..1577		
GI Descrip.	(AC006264) putative ER lumen protein retaining receptor [Arabidopsis thaliana]		
Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.ts	Method	TBLASTX:Soybean
Start	379	End	594
GI	none	Score	129
Exons	379..594, 381..587, 382..594		
Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.tc	Method	TBLASTX:Cress
Start	381	End	588
GI	none	Score	120
Exons	381..587, 385..588, 387..575		
Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.tm	Method	TBLASTX:Maize
Start	381	End	594
GI	none	Score	185
Exons	381..575, 381..587, 382..594		
Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.gs	Method	GENSCAN
Start	384	End	583
GI	none	Score	.74
Exons	384..583		
Seq. No.	40385	Seq. ID	OJ000229_14.0327.C31
Gene No.	83590	Strand	-
Start	1	End	1577
Name	OJ000229_14.0327.C31.o1.tw	Method	TBLASTX:Wheat
Start	402	End	594
GI	none	Score	172
Exons	402..587, 404..565, 439..594		
Seq. No.	40386	Seq. ID	OJ000229_14.0327.C33
Gene No.	83591	Strand	+
Start	1	End	574
Name	OJ000229_14.0327.C33.o1.np	Method	AAT/NAP
Start	1	End	540
GI	7486660	Score	480
Exons	1..540		
GI Descrip.	hypothetical protein F8F16.10 - Arabidopsis thaliana gi|2827514|emb|CAA16523.1| (AL021633) predicted protein [Arabidopsis thaliana] gi|7270022|emb|CAB79838.1| (AL161578) predicted protein [Arabidopsis thaliana]		
Seq. No.	40386	Seq. ID	OJ000229_14.0327.C33

Gene No.	83591	Strand	+
Start	1	End	574
Name	OJ000229_14.0327.C33.o1.gs	Method	GENSCAN
Start	53	End	574
GI	none	Score	.69
Exons	53..574		

Seq. No.	40386	Seq. ID	OJ000229_14.0327.C33
Gene No.	83591	Strand	+
Start	1	End	574
Name	OJ000229_14.0327.C33.o1.tm	Method	TBLASTX:Maize
Start	344	End	543
GI	none	Score	296
Exons	344..538, 367..543, 367..540		

Seq. No.	40386	Seq. ID	OJ000229_14.0327.C33
Gene No.	83591	Strand	+
Start	1	End	574
Name	OJ000229_14.0327.C33.o1.ts	Method	TBLASTX:Soybean
Start	350	End	549
GI	none	Score	245
Exons	350..547, 367..549		

Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.np	Method	AAT/NAP
Start	1	End	904
GI	4836907	Score	556
Exons	1..106, 395..580, 659..904		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.tm	Method	TBLASTX:Maize
Start	47	End	923
GI	none	Score	88
Exons	47..112, 55..105, 389..451, 392..583, 394..576, 509..586, 659..907, 670..906, 816..923		

Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.ts	Method	TBLASTX:Soybean
Start	47	End	917
GI	none	Score	77
Exons	47..112, 389..451, 394..576, 394..459, 404..577, 509..586, 653..907, 656..874, 676..906, 810..917		

Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.gs	Method	GENSCAN
Start	56	End	907
GI	none	Score	.91

Exons	56..106, 138..185, 395..580, 659..907		
Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.tw	Method	TBLASTX:Wheat
Start	410	End	908
GI	none	Score	123
Exons	410..580, 411..575, 415..576, 512..586, 659..904, 670..906, 810..908		
Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.tc	Method	TBLASTX:Cress
Start	442	End	909
GI	none	Score	99
Exons	442..579, 446..580, 512..586, 659..907, 661..909, 694..906		
Seq. No.	40387	Seq. ID	OJ000229_16.0327.C1
Gene No.	83592	Strand	+
Start	1	End	943
Name	OJ000229_16.0327.C1.o1.gp	Method	AAT/GAP
Start	521	End	943
GI	17247_2.R1084	Score	602
Exons	521..580, 659..943		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	40388	Seq. ID	OJ000229_16.0327.C2
Gene No.	83593	Strand	+
Start	115	End	759
Name	OJ000229_16.0327.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	307
GI	none	Score	244
Exons	1..177, 112..177, 229..306, 241..306, 245..307		
Seq. No.	40388	Seq. ID	OJ000229_16.0327.C2
Gene No.	83593	Strand	+
Start	115	End	759
Name	OJ000229_16.0327.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	180
GI	none	Score	259
Exons	1..180		
Seq. No.	40388	Seq. ID	OJ000229_16.0327.C2
Gene No.	83593	Strand	+
Start	115	End	759
Name	OJ000229_16.0327.C2.o1.gs	Method	GENSCAN
Start	115	End	759
GI	none	Score	.92
Exons	115..759		
Seq. No.	40388	Seq. ID	OJ000229_16.0327.C2
Gene No.	83593	Strand	+
Start	115	End	759
Name	OJ000229_16.0327.C2.o2.tm	Method	TBLASTX:Maize

Start	367	End	483
GI	none	Score	177
Exons	367..483, 370..471		

Seq. No.	40389	Seq. ID	OJ000229_16.0327.C3
Gene No.	83594	Strand	+
Start	1	End	959
Name	OJ000229_16.0327.C3.o1.gp	Method	AAT/GAP
Start	1	End	505
GI	none	Score	1010
Exons	1..505		

Seq. No.	40389	Seq. ID	OJ000229_16.0327.C3
Gene No.	83594	Strand	+
Start	1	End	959
Name	OJ000229_16.0327.C3.o1.gs	Method	GENSCAN
Start	82	End	959
GI	none	Score	.9
Exons	82..159, 210..959		

Seq. No.	40389	Seq. ID	OJ000229_16.0327.C3
Gene No.	83595	Strand	-
Start	927	End	1350
Name	OJ000229_16.0327.C3.o2.gp	Method	AAT/GAP
Start	927	End	1350
GI	none	Score	828
Exons	927..1350		

Seq. No.	40389	Seq. ID	OJ000229_16.0327.C3
Gene No.	83596	Strand	-
Start	1675	End	2092
Name	OJ000229_16.0327.C3.o1.tm	Method	TBLASTX:Maize
Start	9	End	845
GI	none	Score	100
Exons	9..122, 64..120, 93..218, 131..202, 139..207, 216..368, 219..326, 244..327, 345..428, 356..430, 365..430, 458..499, 459..506, 501..575, 506..574, 615..845, 662..742		

Seq. No.	40389	Seq. ID	OJ000229_16.0327.C3
Gene No.	83596	Strand	-
Start	1675	End	2092
Name	OJ000229_16.0327.C3.o2.gs	Method	GENSCAN
Start	1675	End	2092
GI	none	Score	.61
Exons	1675..2092		

Seq. No.	40390	Seq. ID	OJ000229_16.0327.C4
Gene No.	83597	Strand	+
Start	95	End	1421
Name	OJ000229_16.0327.C4.o1.gs	Method	GENSCAN
Start	95	End	1421
GI	none	Score	.71
Exons	95..366, 434..568, 714..759, 1111..1421		

Seq. No.	40390	Seq. ID	OJ000229_16.0327.C4
Gene No.	83597	Strand	+
Start	95	End	1421

Name	OJ000229_16.0327.C4.o1.ts	Method	TBLASTX:Soybean
Start	121	End	396
GI	none	Score	167
Exons	121..210, 250..396		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83598	Strand	+
Start	7547	End	10476
Name	OJ000229_16.0327.C5.o3.np	Method	AAT/NAP
Start	7544	End	10476
GI	6682841	Score	624
Exons	7544..7773, 7848..7993, 8134..8442, 8532..8853, 10363..10476		
GI Descrip.	(AB022091) sucrose synthase [Citrus unshiu]		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83598	Strand	+
Start	7547	End	10476
Name	OJ000229_16.0327.C5.o3.gs	Method	GENSCAN
Start	7547	End	8853
GI	none	Score	.93
Exons	7547..7654, 7660..7773, 7848..8002, 8134..8466, 8532..8853		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83598	Strand	+
Start	7547	End	10476
Name	OJ000229_16.0327.C5.o4.np	Method	AAT/NAP
Start	9887	End	10476
GI	6721547	Score	95
Exons	9887..9971, 10435..10476		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83599	Strand	-
Start	113	End	3619
Name	OJ000229_16.0327.C5.o1.gp	Method	AAT/GAP
Start	113	End	1713
GI	101147_1.R1084	Score	628
Exons	113..194, 289..326, 442..498, 636..699, 788..884, 1678..1713		
GI Descrip.	'1707074 1.0e-10 (U80450) M01E11.2 [Caenorhabditis elegans]'		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83599	Strand	-
Start	113	End	3619
Name	OJ000229_16.0327.C5.o1.gs	Method	GENSCAN
Start	113	End	3593
GI	none	Score	.79
Exons	113..194, 289..326, 442..498, 636..699, 788..884, 1445..1497, 1678..1786, 2490..2688, 2847..3593		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83599	Strand	-
Start	113	End	3619
Name	OJ000229_16.0327.C5.o1.np	Method	AAT/NAP
Start	571	End	3619
GI	6957734	Score	1034
Exons	571..699, 788..857, 1678..1762, 2485..2713, 2791..3619		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o5.tm	Method	TBLASTX:Maize
Start	112	End	689
GI	none	Score	71
Exons	112..192, 113..187, 113..193, 150..206, 286..327, 287..328, 287..328, 288..329, 439..501, 442..501, 633..689		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o3.ts	Method	TBLASTX:Soybean
Start	113	End	2616
GI	none	Score	102
Exons	113..187, 291..329, 439..501, 666..719, 784..885, 785..886, 1676..1783, 2485..2616, 2486..2593		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o3.tm	Method	TBLASTX:Maize
Start	2476	End	2946
GI	none	Score	209
Exons	2476..2679, 2486..2680, 2651..2731, 2811..2906, 2829..2945, 2830..2946		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o2.ts	Method	TBLASTX:Soybean
Start	2862	End	3437
GI	none	Score	69
Exons	2862..3173, 2863..2946, 3312..3437		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o4.tm	Method	TBLASTX:Maize
Start	3312	End	3587
GI	none	Score	64
Exons	3312..3518, 3376..3420, 3564..3587		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o2.gs	Method	GENSCAN
Start	4321	End	5895
GI	none	Score	.88
Exons	4321..4461, 4548..4673, 4777..4860, 5362..5574, 5677..5895		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o2.tm	Method	TBLASTX:Maize
Start	5350	End	5835

GI	none	Score	44
Exons	5350..5484, 5366..5410, 5368..5457, 5476..5577, 5492..5575, 5533..5577, 5677..5835		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83600	Strand	-
Start	4321	End	6018
Name	OJ000229_16.0327.C5.o2.gp	Method	AAT/GAP
Start	5780	End	6018
GI	2442726	Score	394
Exons	5780..6018		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83601	Strand	
Start	7651	End	8849
Name	OJ000229_16.0327.C5.o1.tm	Method	TBLASTX:Maize
Start	7651	End	8849
GI	none	Score	53
Exons	7651..7725, 7839..7994, 7857..7994, 8129..8299, 8282..8446, 8529..8849, 8530..8847		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83601	Strand	
Start	7651	End	8849
Name	OJ000229_16.0327.C5.o1.ts	Method	TBLASTX:Soybean
Start	7651	End	8849
GI	none	Score	51
Exons	7651..7773, 7651..7809, 7887..8000, 7895..8032, 8129..8287, 8270..8437, 8533..8823, 8536..8847, 8544..8849		

Seq. No.	40391	Seq. ID	OJ000229_16.0327.C5
Gene No.	83601	Strand	
Start	7651	End	8849
Name	OJ000229_16.0327.C5.o1.tc	Method	TBLASTX:Cress
Start	8282	End	8849
GI	none	Score	109
Exons	8282..8446, 8529..8849, 8530..8847, 8670..8849		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83602	Strand	+
Start	251	End	2490
Name	OJ000229_16.0327.C7.o1.gs	Method	GENSCAN
Start	251	End	2490
GI	none	Score	.52
Exons	251..298, 1826..1876, 2303..2490		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83603	Strand	+
Start	10704	End	12556
Name	OJ000229_16.0327.C7.o1.gp	Method	AAT/GAP
Start	10704	End	11876
GI	9262_1.R1084	Score	1156
Exons	10704..11154, 11278..11328, 11636..11723, 11813..11876		
GI Descrip.	'4539332/emb|CAB37480.1| 2.0e-26 (AL035539) glycosyltransferase like protein (fragment) [Arabidopsis thaliana]'		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7

Gene No.	83603	Strand	+
Start	10704	End	12556
Name	OJ000229_16.0327.C7.o4.np	Method	AAT/NAP
Start	11080	End	12556
GI	5764049	Score	164
Exons	11080..11154, 11278..11332, 11640..11723, 11813..11939, 12535..12556		
GI Descrip.	(Y16832) alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [Nicotiana tabacum]		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83604	Strand	-
Start	1	End	2928
Name	OJ000229_16.0327.C7.o1.np	Method	AAT/NAP
Start	1	End	2928
GI	7485953	Score	739
Exons	1..258, 917..1050, 1400..1530, 1748..1883, 2029..2199, 2274..2425, 2733..2928		
GI Descrip.	hypothetical protein F22I13.150 - Arabidopsis thaliana gi|4539346|emb|CAB37494.1| (AL035539) putative protein [Arabidopsis thaliana] gi|7270822|emb|CAB80503.1| (AL161593) putative protein [Arabidopsis thaliana]		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83605	Strand	-
Start	3478	End	5661
Name	OJ000229_16.0327.C7.o2.gs	Method	GENSCAN
Start	3478	End	5661
GI	none	Score	1
Exons	3478..5661		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o4.tm	Method	TBLASTX:Maize
Start	49	End	2369
GI	none	Score	181
Exons	49..258, 78..260, 84..257, 86..259, 906..1016, 914..1015, 915..1019, 916..1017, 1390..1503, 1397..1498, 1432..1503, 1745..1876, 1746..1877, 1746..1880, 1747..1881, 2040..2180, 2043..2171, 2295..2369, 2311..2361, 2322..2369		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o3.ts	Method	TBLASTX:Soybean
Start	3886	End	4824
GI	none	Score	61
Exons	3886..4071, 4084..4224, 4186..4503, 4693..4824		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o2.tw	Method	TBLASTX:Wheat
Start	3895	End	4986
GI	none	Score	89
Exons	3895..4095, 3979..4143, 4096..4401, 4106..4405, 4342..4542,		

4702..4986, 4715..4918

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o3.tm	Method	TBLASTX:Maize
Start	3907	End	5214
GI	none	Score	102
Exons	3907..4077, 4093..4383, 4094..4381, 4456..4542, 4705..5004, 4733..4921, 5002..5214		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o2.tc	Method	TBLASTX:Cress
Start	4087	End	5223
GI	none	Score	99
Exons	4087..4506, 4087..4224, 4088..4291, 4096..4356, 4456..4542, 4703..4885, 4708..4986, 4708..4821, 4741..5223, 4915..5214, 4993..5112, 4993..5121, 5002..5163		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o2.np	Method	AAT/NAP
Start	6013	End	7973
GI	7413555	Score	839
Exons	6013..7041, 7786..7973		
GI Descrip.	(AL162973) protein kinase-like [Arabidopsis thaliana]		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o3.gs	Method	GENSCAN
Start	6064	End	7158
GI	none	Score	.92
Exons	6064..7158		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o1.tc	Method	TBLASTX:Cress
Start	6121	End	7047
GI	none	Score	101
Exons	6121..6300, 6289..6330, 6385..6627, 6473..6628, 6671..6928, 6724..6927, 6940..7047, 6944..6994		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o1.tm	Method	TBLASTX:Maize
Start	6125	End	7039
GI	none	Score	102
Exons	6125..6274, 6130..6297, 6289..6330, 6382..6708, 6470..6709, 6739..6927, 6743..6925, 6946..7038, 6953..7039		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7

Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o1.ts	Method	TBLASTX:Soybean
Start	6127	End	7042
GI	none	Score	98
Exons	6127..6306, 6131..6292, 6385..6708, 6395..6559, 6608..6685, 6712..6927, 6743..6925, 6931..7041, 6944..7042		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o1.tw	Method	TBLASTX:Wheat
Start	6385	End	6703
GI	none	Score	117
Exons	6385..6627, 6473..6559, 6553..6624, 6659..6703		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o3.np	Method	AAT/NAP
Start	7611	End	9747
GI	4153896	Score	93
Exons	7611..7630, 8666..8900, 9208..9497, 9724..9747		
GI Descrip.	(AB022209) ribonucleoprotein F [Rattus norvegicus]		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o2.tm	Method	TBLASTX:Maize
Start	8544	End	9767
GI	none	Score	40
Exons	8544..8600, 8545..8643, 8645..8776, 8649..8783, 8650..8787, 8662..8784, 8766..8888, 8776..8898, 8776..8898, 8777..8899, 9156..9596, 9161..9586, 9195..9596, 9214..9597, 9261..9389, 9371..9412, 9408..9485, 9583..9750, 9589..9690, 9594..9698, 9649..9705, 9685..9726, 9732..9767		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o4.gs	Method	GENSCAN
Start	8572	End	12052
GI	none	Score	.59
Exons	8572..8915, 9063..9082, 9313..9545, 11999..12052		

Seq. No.	40392	Seq. ID	OJ000229_16.0327.C7
Gene No.	83606	Strand	-
Start	6064	End	12052
Name	OJ000229_16.0327.C7.o2.ts	Method	TBLASTX:Soybean
Start	8836	End	9755
GI	none	Score	257
Exons	8836..8904, 9204..9494, 9223..9495, 9223..9501, 9239..9502, 9649..9750, 9650..9706, 9652..9714, 9660..9755		

Seq. No.	40393	Seq. ID	OJ000229_16.0327.C9
Gene No.	83607	Strand	-
Start	1	End	138

Name	OJ000229_16.0327.C9.o1.gp	Method	AAT/GAP
Start	1	End	138
GI	none	Score	255
Exons	1..138		

Seq. No.	40394	Seq. ID	OJ000229_16.0327.C22
Gene No.	83608	Strand	+
Start	1	End	1122
Name	OJ000229_16.0327.C22.o1.np	Method	AAT/NAP
Start	1	End	1122
GI	5803259	Score	1314
Exons	1..433, 533..1122		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	40394	Seq. ID	OJ000229_16.0327.C22
Gene No.	83608	Strand	+
Start	1	End	1122
Name	OJ000229_16.0327.C22.o1.gs	Method	GENSCAN
Start	67	End	903
GI	none	Score	.86
Exons	67..407, 533..903		

Seq. No.	40395	Seq. ID	OJ000229_16.0327.C23
Gene No.	83609	Strand	-
Start	132	End	10480
Name	OJ000229_16.0327.C23.o1.gs	Method	GENSCAN
Start	132	End	10480
GI	none	Score	.47
Exons	132..398, 843..960, 1257..1352, 2279..2397, 3166..3283, 6167..6297, 7063..7172, 8422..8460, 8686..8825, 10374..10480		

Seq. No.	40396	Seq. ID	OJ000229_16.0327.C27
Gene No.	83610	Strand	-
Start	1	End	919
Name	OJ000229_16.0327.C27.o1.np	Method	AAT/NAP
Start	1	End	919
GI	5042454	Score	636
Exons	1..275, 331..438, 769..919		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40397	Seq. ID	OJ000229_16.0327.C37
Gene No.	83611	Strand	-
Start	217	End	1466
Name	OJ000229_16.0327.C37.o1.gs	Method	GENSCAN
Start	217	End	1349
GI	none	Score	.78
Exons	217..310, 427..530, 608..745, 1223..1349		

Seq. No.	40397	Seq. ID	OJ000229_16.0327.C37
Gene No.	83611	Strand	-
Start	217	End	1466
Name	OJ000229_16.0327.C37.o1.np	Method	AAT/NAP
Start	256	End	1466
GI	4836907	Score	504
Exons	256..310, 427..503, 608..733, 1223..1349, 1439..1466		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	40397	Seq. ID	OJ000229_16.0327.C37
Gene No.	83611	Strand	-
Start	217	End	1466
Name	OJ000229_16.0327.C37.o1.tc	Method	TBLASTX:Cress
Start	1215	End	1355
GI	none	Score	105
Exons	1215..1355, 1220..1351		

Seq. No.	40397	Seq. ID	OJ000229_16.0327.C37
Gene No.	83611	Strand	-
Start	217	End	1466
Name	OJ000229_16.0327.C37.o1.tw	Method	TBLASTX:Wheat
Start	1220	End	1466
GI	none	Score	140
Exons	1220..1351, 1220..1348, 1437..1463, 1437..1466		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83612	Strand	+
Start	2408	End	7400
Name	OJ000229_16.0327.C38.o2.gs	Method	GENSCAN
Start	2408	End	7386
GI	none	Score	.75
Exons	2408..2598, 3161..3284, 5057..5123, 5750..5888, 6687..7386		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83612	Strand	+
Start	2408	End	7400
Name	OJ000229_16.0327.C38.o1.gp	Method	AAT/GAP
Start	3538	End	4977
GI	3762658	Score	883
Exons	3538..3646, 3733..3831, 4673..4977		
GI Descrip.	6066609/emb|CAB58442.1| 7.0e-13 (AJ009987) chloroplast channel forming outer membrane protein [Pisum sativum]		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83612	Strand	+
Start	2408	End	7400
Name	OJ000229_16.0327.C38.o2.np	Method	AAT/NAP
Start	6820	End	7400
GI	3790573	Score	327
Exons	6820..7400		
GI Descrip.	(AF078824) RING-H2 finger protein RHA3a [Arabidopsis thaliana] gi|4914367|gb|AAD32903.1|AC007584_1 (AC007584) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83613	Strand	+
Start	18795	End	26440
Name	OJ000229_16.0327.C38.o5.gp	Method	AAT/GAP
Start	18765	End	20105
GI	217_1.R1084	Score	1568
Exons	18765..18912, 18987..19106, 19570..20105		
GI Descrip.	'4585706/emb|CAB40841.1| 1.0e-60 (AJ238116) putative phospholipase A2 [Oryza sativa]'		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38

Gene No.	83613	Strand	+
Start	18795	End	26440
Name	OJ000229_16.0327.C38.o4.np	Method	AAT/NAP
Start	18795	End	19745
GI	4585706	Score	700
Exons	18795..18912, 18987..19106, 19570..19745		
GI Descrip.	(AJ238116) putative phospholipase A2 [Oryza sativa]		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83613	Strand	+
Start	18795	End	26440
Name	OJ000229_16.0327.C38.o6.gs	Method	GENSCAN
Start	18795	End	26383
GI	none	Score	.76
Exons	18795..18912, 18987..19106, 19570..19716, 21054..21535, 22051..22220, 22533..22608, 22753..22929, 22956..23100, 23136..23191, 23350..23448, 23548..23597, 23694..23843, 23936..23976, 24366..24475, 25301..25407, 25523..25652, 26023..26130, 26312..26383		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83613	Strand	+
Start	18795	End	26440
Name	OJ000229_16.0327.C38.o5.np	Method	AAT/NAP
Start	23268	End	26440
GI	7459546	Score	461
Exons	23268..23303, 23389..23587, 23699..23843, 23936..24069, 24366..24475, 25301..25413, 25523..25652, 25809..25925, 26023..26130, 26398..26440		
GI Descrip.	translation initiation factor eIF-2C - rabbit gi|3253159|gb|AAC24323.1| (AF005355) translation initiation factor eIF2C [Oryctolagus cuniculus]		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83613	Strand	+
Start	18795	End	26440
Name	OJ000229_16.0327.C38.o6.gp	Method	AAT/GAP
Start	23392	End	23854
GI	uC-osroM202032h09b1	Score	658
Exons	23392..23597, 23694..23854		
GI Descrip.	'2149640 3.0e-42 (U91995) Argonaute protein [Arabidopsis thaliana] >gi_5733867_gb_AAD49755.1_AC007932_3 (AC007932) Identical to gb_U91995 Argonaute protein from Arabidopsis thaliana. ESTs gb_H76075, gb_AA720232, gb_N65911 and gb_AA651494 come from this gene'		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83614	Strand	-
Start	1	End	2547
Name	OJ000229_16.0327.C38.o1.np	Method	AAT/NAP
Start	1	End	2547
GI	4836907	Score	540
Exons	1..433, 2511..2547		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38

Gene No.	83615	Strand	-
Start	7146	End	7517
Name	OJ000229_16.0327.C38.o2.gp	Method	AAT/GAP
Start	7146	End	7517
GI	none	Score	716
Exons	7146..7517		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83616	Strand	-
Start	9492	End	11450
Name	OJ000229_16.0327.C38.o3.gs	Method	GENSCAN
Start	9492	End	11450
GI	none	Score	1
Exons	9492..11450		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o4.ts	Method	TBLASTX:Soybean
Start	57	End	408
GI	none	Score	353
Exons	57..407, 58..408		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o3.tw	Method	TBLASTX:Wheat
Start	3214	End	21479
GI	none	Score	97
Exons	3214..3285, 3215..3289, 3385..3507, 3529..3645, 3531..3641, 3559..3645, 3729..3830, 3739..3834, 3742..3819, 4666..4707, 4670..4708, 21141..21293, 21324..21479		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o8.tm	Method	TBLASTX:Maize
Start	3406	End	4757
GI	none	Score	56
Exons	3406..3471, 3531..3644, 3532..3645, 3729..3833, 3733..3834, 3742..3831, 4661..4756, 4665..4757, 4675..4755		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o5.tc	Method	TBLASTX:Cress
Start	6835	End	7283
GI	none	Score	87
Exons	6835..6942, 7048..7254, 7074..7283		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o7.ts	Method	TBLASTX:Soybean
Start	6850	End	7277
GI	none	Score	91
Exons	6850..6942, 7041..7103, 7048..7095, 7086..7277, 7120..7254		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o7.tm	Method	TBLASTX:Maize
Start	6862	End	7230
GI	none	Score	80
Exons	6862..6942, 7044..7214, 7045..7128, 7120..7230, 7122..7229		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o2.tw	Method	TBLASTX:Wheat
Start	7131	End	15366
GI	none	Score	136
Exons	7131..7190, 15097..15366, 15101..15202, 15127..15240, 15260..15349, 15304..15366		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o2.tm	Method	TBLASTX:Maize
Start	9534	End	15874
GI	none	Score	480
Exons	9534..9848, 9538..10251, 9930..10238, 10218..10295, 10272..10424, 10345..10413, 15758..15874		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o3.tc	Method	TBLASTX:Cress
Start	9534	End	11451
GI	none	Score	62
Exons	9534..9755, 9682..9759, 9762..9809, 9798..9848, 9799..10230, 9930..10190, 10245..10289, 10368..10412, 10545..10613, 10546..10614, 10734..11168, 10735..10896, 10960..11313, 11223..11321, 11343..11450, 11344..11451		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o6.tw	Method	TBLASTX:Wheat
Start	9534	End	9777
GI	none	Score	62
Exons	9534..9719, 9538..9594, 9715..9777, 9726..9773		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o2.ts	Method	TBLASTX:Soybean
Start	9534	End	10401
GI	none	Score	71
Exons	9534..9848, 9538..9594, 9676..9849, 9928..10191, 9930..10190, 10242..10364, 10362..10400, 10363..10401		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-

Start	13917	End	21479
Name	OJ000229_16.0327.C38.o4.tm	Method	TBLASTX:Maize
Start	10717	End	11181
GI	none	Score	119
Exons	10717..10908, 10719..11168, 10960..11181		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o3.ts	Method	TBLASTX:Soybean
Start	10761	End	11276
GI	none	Score	88
Exons	10761..11276, 10792..10908, 10960..11274		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o5.tw	Method	TBLASTX:Wheat
Start	10854	End	11084
GI	none	Score	161
Exons	10854..11084, 10855..11082		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o9.tm	Method	TBLASTX:Maize
Start	11188	End	11472
GI	none	Score	108
Exons	11188..11313, 11223..11336, 11346..11471, 11347..11472		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o4.gs	Method	GENSCAN
Start	13917	End	15714
GI	none	Score	.95
Exons	13917..14059, 14140..14362, 14449..15714		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o3.np	Method	AAT/NAP
Start	13942	End	18508
GI	7428005	Score	1876
Exons	13942..14059, 14140..14362, 14449..15530, 18271..18508		
GI Descrip.	calcium-dependent protein kinase (EC 2.7.1.-) 7 - maize gi|1504052|dbj|BAA13232.1| (D87042) Calcium-dependent protein kinase [Zea mays]		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o1.tm	Method	TBLASTX:Maize
Start	14000	End	15516
GI	none	Score	66
Exons	14000..14059, 14007..14060, 14140..14223, 14229..14258, 14279..14362, 14310..14384, 14449..15516, 14450..15202,		

15260..15514

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o1.tc	Method	TBLASTX:Cress
Start	14012	End	15532
GI	none	Score	85
Exons	14012..14059, 14140..14223, 14229..14258, 14279..14362, 14304..14405, 14449..15531, 14450..15202, 15260..15532		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o1.ts	Method	TBLASTX:Soybean
Start	14012	End	15532
GI	none	Score	87
Exons	14012..14059, 14140..14223, 14229..14258, 14279..14362, 14307..14405, 14449..15531, 14450..15202, 15260..15532		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o4.tw	Method	TBLASTX:Wheat
Start	14015	End	14538
GI	none	Score	66
Exons	14015..14059, 14140..14223, 14229..14258, 14279..14362, 14310..14363, 14449..14538, 14452..14523		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o3.gp	Method	AAT/GAP
Start	14532	End	14875
GI	uC-osflcyp142e11b1	Score	644
Exons	14532..14875		
GI Descrip.	'1632768/dbj|BAA12338| 2.0e-47 (D84408) calcium dependent protein kinase [Zea mays]'		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o1.tw	Method	TBLASTX:Wheat
Start	14719	End	15073
GI	none	Score	235
Exons	14719..15072, 14720..15073		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o4.gp	Method	AAT/GAP
Start	15317	End	15860
GI	29518_1.R1084	Score	977
Exons	15317..15860		
GI Descrip.	'967125 6.0e-27 (U08140) calcium dependent protein kinase [Vigna radiata]'		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o5.gs	Method	GENSCAN
Start	17509	End	18645
GI	none	Score	1
Exons	17509..18645		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o4.tc	Method	TBLASTX:Cress
Start	17524	End	17944
GI	none	Score	256
Exons	17524..17943, 17534..17944		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o6.tm	Method	TBLASTX:Maize
Start	18827	End	19715
GI	none	Score	48
Exons	18827..18913, 18875..18913, 18986..19108, 18987..19028, 19568..19609, 19569..19628, 19583..19711, 19611..19715		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83617	Strand	-
Start	13917	End	21479
Name	OJ000229_16.0327.C38.o8.ts	Method	TBLASTX:Soybean
Start	18989	End	19718
GI	none	Score	187
Exons	18989..19108, 19569..19718		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83618	Strand	
Start	23174	End	26391
Name	OJ000229_16.0327.C38.o2.tc	Method	TBLASTX:Cress
Start	23174	End	26391
GI	none	Score	198
Exons	23174..23305, 23175..23318, 23362..23532, 23388..23564, 23389..23613, 23661..23846, 23692..23850, 23882..24076, 23922..24068, 24004..24072, 24364..24474, 24365..24478, 25300..25407, 25301..25411, 25520..25624, 25521..25637, 25533..25625, 25629..25655, 25806..25925, 25808..25918, 25995..26132, 26011..26127, 26311..26391, 26312..26383		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83618	Strand	
Start	23174	End	26391
Name	OJ000229_16.0327.C38.o3.tm	Method	TBLASTX:Maize
Start	23177	End	24454
GI	none	Score	206
Exons	23177..23305, 23178..23318, 23178..23306, 23388..23480, 23389..23481, 23478..23564, 23479..23589, 23691..23849, 23692..23847, 23933..24067, 23933..24076, 23934..24068, 24365..24454		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83618	Strand	
Start	23174	End	26391
Name	OJ000229_16.0327.C38.o5.ts	Method	TBLASTX:Soybean
Start	23241	End	23981
GI	none	Score	109
Exons	23241..23318, 23244..23306, 23388..23564, 23389..23613, 23395..23598, 23691..23849, 23692..23847, 23933..23980, 23934..23981		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83618	Strand	
Start	23174	End	26391
Name	OJ000229_16.0327.C38.o6.ts	Method	TBLASTX:Soybean
Start	23981	End	25925
GI	none	Score	154
Exons	23981..24076, 23982..24068, 23994..24077, 23995..24072, 24364..24471, 24365..24478, 25300..25407, 25301..25411, 25520..25624, 25521..25625, 25626..25655, 25806..25925, 25808..25921		

Seq. No.	40398	Seq. ID	OJ000229_16.0327.C38
Gene No.	83618	Strand	
Start	23174	End	26391
Name	OJ000229_16.0327.C38.o5.tm	Method	TBLASTX:Maize
Start	25300	End	26388
GI	none	Score	165
Exons	25300..25404, 25301..25411, 25521..25625, 25526..25624, 25626..25655, 25806..25925, 25808..25918, 25956..26126, 26011..26133, 26020..26130, 26309..26383, 26311..26388		

Seq. No.	40399	Seq. ID	OJ000229_16.0327.C40
Gene No.	83619	Strand	+
Start	113	End	724
Name	OJ000229_16.0327.C40.o1.tc	Method	TBLASTX:Cress
Start	104	End	697
GI	none	Score	233
Exons	104..256, 112..252, 375..437, 626..697, 626..694, 634..696		

Seq. No.	40399	Seq. ID	OJ000229_16.0327.C40
Gene No.	83619	Strand	+
Start	113	End	724
Name	OJ000229_16.0327.C40.o1.ts	Method	TBLASTX:Soybean
Start	104	End	697
GI	none	Score	211
Exons	104..256, 112..252, 371..436, 375..437, 626..697, 631..696		

Seq. No.	40399	Seq. ID	OJ000229_16.0327.C40
Gene No.	83619	Strand	+
Start	113	End	724
Name	OJ000229_16.0327.C40.o1.tm	Method	TBLASTX:Maize
Start	104	End	697
GI	none	Score	231
Exons	104..256, 112..252, 374..436, 375..437, 626..697		

Seq. No.	40399	Seq. ID	OJ000229_16.0327.C40
Gene No.	83619	Strand	+

Start	113	End	724
Name	OJ000229_16.0327.C40.o1.np	Method	AAT/NAP
Start	113	End	724
GI	2959781	Score	327
Exons	113..255, 374..436, 634..724		
GI Descrip.	(AJ223508) Zwille protein [Arabidopsis thaliana]		

Seq. No.	40399	Seq. ID	OJ000229_16.0327.C40
Gene No.	83619	Strand	+
Start	113	End	724
Name	OJ000229_16.0327.C40.o1.gs	Method	GENSCAN
Start	113	End	697
GI	none	Score	.9
Exons	113..255, 634..697		

Seq. No.	40400	Seq. ID	OJ000229_16.0327.C41
Gene No.	83620	Strand	+
Start	1	End	743
Name	OJ000229_16.0327.C41.o1.np	Method	AAT/NAP
Start	1	End	743
GI	6815062	Score	1003
Exons	1..743		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83621	Strand	+
Start	1	End	3271
Name	OJ000229_16.0327.C42.o1.np	Method	AAT/NAP
Start	1	End	2596
GI	6815062	Score	3062
Exons	1..439, 516..707, 800..1005, 1049..1394, 1476..1574, 1652..1990, 2289..2309, 2364..2596		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83621	Strand	+
Start	1	End	3271
Name	OJ000229_16.0327.C42.o1.gs	Method	GENSCAN
Start	278	End	3271
GI	none	Score	.47
Exons	278..393, 653..707, 800..1005, 1049..1394, 1476..1574, 1737..1756, 1948..2000, 2358..2584, 3035..3139, 3266..3271		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83622	Strand	+
Start	3677	End	4043
Name	OJ000229_16.0327.C42.o1.gp	Method	AAT/GAP
Start	3677	End	4043
GI	none	Score	734
Exons	3677..4043		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-

Start	4171	End	4808
Name	OJ000229_16.0327.C42.o4.tm	Method	TBLASTX:Maize
Start	34	End	268
GI	none	Score	63
Exons	34..108, 35..103, 131..268, 133..264		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-
Start	4171	End	4808
Name	OJ000229_16.0327.C42.o2.tm	Method	TBLASTX:Maize
Start	271	End	1394
GI	none	Score	200
Exons	271..435, 272..442, 504..575, 597..638, 648..725, 806..973, 806..973, 980..1006, 1098..1394		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-
Start	4171	End	4808
Name	OJ000229_16.0327.C42.o3.tm	Method	TBLASTX:Maize
Start	4110	End	4429
GI	none	Score	127
Exons	4110..4262, 4111..4263, 4112..4276, 4119..4277, 4253..4306, 4263..4307, 4313..4393, 4320..4373, 4324..4386, 4391..4429		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-
Start	4171	End	4808
Name	OJ000229_16.0327.C42.o1.ts	Method	TBLASTX:Soybean
Start	4121	End	4808
GI	none	Score	99
Exons	4121..4300, 4122..4301, 4303..4365, 4310..4366, 4373..4807, 4391..4669, 4431..4808		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-
Start	4171	End	4808
Name	OJ000229_16.0327.C42.o2.gp	Method	AAT/GAP
Start	4171	End	4806
GI	none	Score	1197
Exons	4171..4806		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-
Start	4171	End	4808
Name	OJ000229_16.0327.C42.o1.tc	Method	TBLASTX:Cress
Start	4418	End	4724
GI	none	Score	135
Exons	4418..4714, 4433..4711, 4638..4724		

Seq. No.	40401	Seq. ID	OJ000229_16.0327.C42
Gene No.	83623	Strand	-
Start	4171	End	4808
Name	OJ000229_16.0327.C42.o1.tm	Method	TBLASTX:Maize
Start	4460	End	4785
GI	none	Score	372
Exons	4460..4783, 4461..4784, 4462..4785		

Seq. No.	40402	Seq. ID	OJ000229_16.0327.C44
Gene No.	83624	Strand	-
Start	1	End	387
Name	OJ000229_16.0327.C44.o1.gp	Method	AAT/GAP
Start	1	End	387
GI	none	Score	774
Exons	1..387		

Seq. No.	40402	Seq. ID	OJ000229_16.0327.C44
Gene No.	83625	Strand	-
Start	678	End	1245
Name	OJ000229_16.0327.C44.o1.tm	Method	TBLASTX:Maize
Start	2	End	487
GI	none	Score	61
Exons	2..94, 4..60, 88..144, 131..256, 160..255, 161..259, 335..487, 336..467, 364..468		

Seq. No.	40402	Seq. ID	OJ000229_16.0327.C44
Gene No.	83625	Strand	-
Start	678	End	1245
Name	OJ000229_16.0327.C44.o1.tc	Method	TBLASTX:Cress
Start	293	End	1239
GI	none	Score	68
Exons	293..397, 688..771, 704..784, 705..779, 1120..1239, 1127..1237		

Seq. No.	40402	Seq. ID	OJ000229_16.0327.C44
Gene No.	83625	Strand	-
Start	678	End	1245
Name	OJ000229_16.0327.C44.o1.np	Method	AAT/NAP
Start	678	End	1245
GI	4038036	Score	258
Exons	678..895, 1126..1245		
GI Descrip.	(AC005936) unknown protein [Arabidopsis thaliana]		

Seq. No.	40402	Seq. ID	OJ000229_16.0327.C44
Gene No.	83625	Strand	-
Start	678	End	1245
Name	OJ000229_16.0327.C44.o1.ts	Method	TBLASTX:Soybean
Start	1120	End	1239
GI	none	Score	130
Exons	1120..1239, 1127..1237		

Seq. No.	40402	Seq. ID	OJ000229_16.0327.C44
Gene No.	83625	Strand	-
Start	678	End	1245
Name	OJ000229_16.0327.C44.o2.tm	Method	TBLASTX:Maize
Start	1126	End	1239
GI	none	Score	138
Exons	1126..1239, 1127..1237, 1149..1238		

Seq. No.	40403	Seq. ID	OJ000229_16.0327.C45
Gene No.	83626	Strand	+
Start	275	End	619
Name	OJ000229_16.0327.C45.o1.gs	Method	GENSCAN
Start	275	End	619
GI	none	Score	.6
Exons	275..430, 509..619		

Seq. No.	40404	Seq. ID	OJ000229_16.0327.C48
Gene No.	83627	Strand	-
Start	1	End	925
Name	OJ000229_16.0327.C48.o1.np	Method	AAT/NAP
Start	1	End	925
GI	5764049	Score	380
Exons	1..117, 216..278, 417..506, 594..688, 774..925		
GI Descrip.	(Y16832) alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [Nicotiana tabacum]		

Seq. No.	40404	Seq. ID	OJ000229_16.0327.C48
Gene No.	83627	Strand	-
Start	1	End	925
Name	OJ000229_16.0327.C48.o1.tm	Method	TBLASTX:Maize
Start	40	End	850
GI	none	Score	58
Exons	40..117, 51..110, 213..278, 223..279, 417..512, 417..509, 418..534, 421..555, 594..689, 598..687, 775..831, 775..837, 776..850		

Seq. No.	40404	Seq. ID	OJ000229_16.0327.C48
Gene No.	83627	Strand	-
Start	1	End	925
Name	OJ000229_16.0327.C48.o1.ts	Method	TBLASTX:Soybean
Start	46	End	838
GI	none	Score	96
Exons	46..117, 213..278, 214..279, 417..506, 418..507, 457..522, 597..698, 599..709, 601..699, 602..700, 775..837, 776..838		

Seq. No.	40404	Seq. ID	OJ000229_16.0327.C48
Gene No.	83627	Strand	-
Start	1	End	925
Name	OJ000229_16.0327.C48.o1.gp	Method	AAT/GAP
Start	79	End	681
GI	3305_1.R1084	Score	375
Exons	79..117, 216..278, 417..507, 594..681		
GI Descrip.	'5764049/emb|CAB53347.1| 1.0e-33 (Y16832) alpha-1,3-mannosyl-glycoprotein beta-1,2-N-acetylglucosaminyltransferase [Nicotiana tabacum]'		

Seq. No.	40404	Seq. ID	OJ000229_16.0327.C48
Gene No.	83627	Strand	-
Start	1	End	925
Name	OJ000229_16.0327.C48.o1.gs	Method	GENSCAN
Start	79	End	828
GI	none	Score	.93
Exons	79..117, 417..517, 774..828		

Seq. No.	40404	Seq. ID	OJ000229_16.0327.C48
Gene No.	83627	Strand	-
Start	1	End	925
Name	OJ000229_16.0327.C48.o1.tc	Method	TBLASTX:Cress
Start	489	End	838
GI	none	Score	98
Exons	489..509, 594..698, 598..699, 775..837, 776..838		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83628	Strand	+
Start	372	End	768
Name	OJ000209_04.0317.C1.o1.gs	Method	GENSCAN
Start	372	End	768
GI	none	Score	.9
Exons	372..560, 759..768		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o1.np	Method	AAT/NAP
Start	8542	End	13101
GI	1706082	Score	1747
Exons	8542..9061, 9170..9408, 9436..9459, 9939..10199, 10727..10845, 12347..12439, 12594..12699, 12928..13101		
GI Descrip.	SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) gi|629787|pir||S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley gi|619350|bbs|153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] gi|474392|emb|CAA55478.1| (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o1.tc	Method	TBLASTX:Cress
Start	8773	End	9321
GI	none	Score	130
Exons	8773..8937, 8928..9059, 8929..9057, 9157..9279, 9171..9275, 9283..9321		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	8773	End	9390
GI	none	Score	137
Exons	8773..8913, 8796..8849, 8928..9023, 8929..9057, 8989..9057, 9156..9377, 9157..9390		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	8773	End	13077
GI	none	Score	142
Exons	8773..8898, 8796..8852, 8928..9059, 8929..9060, 9157..9390, 9171..9377, 9939..10055, 10733..10843, 12363..12437, 12592..12702, 12973..13077		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o1.gp	Method	AAT/GAP
Start	9006	End	9410
GI	3768194	Score	520

Exons	9006..9061, 9170..9410		
GI Descrip.	1706082/sp|P52711|CP23_HORVU 2.0e-35 SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) >gi_629787_pir__S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley >gi_619350_bbs_153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] >gi_474392_emb_CAA55478.1_ (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o2.gp	Method	AAT/GAP
Start	9111	End	9463
GI	3768194	Score	460
Exons	9111..9463		
GI Descrip.	1706082/sp|P52711|CP23_HORVU 2.0e-35 SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) >gi_629787_pir__S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley >gi_619350_bbs_153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] >gi_474392_emb_CAA55478.1_ (X78877) serine carboxylase II-3 [Hordeum vulgare]		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o2.tm	Method	TBLASTX:Maize
Start	9923	End	13109
GI	none	Score	193
Exons	9923..10069, 9939..10067, 10071..10172, 10085..10171, 10175..10198, 10727..10843, 10727..10843, 12341..12439, 12342..12437, 12591..12698, 12592..12699, 12921..12968, 12925..12969, 12925..13083, 12933..13109, 12934..13092		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o4.gs	Method	GENSCAN
Start	10601	End	13104
GI	none	Score	.92
Exons	10601..10642, 10727..10845, 12347..12439, 12594..12699, 12928..13104		

Seq. No.	40405	Seq. ID	OJ000209_04.0317.C1
Gene No.	83629	Strand	+
Start	8542	End	13212
Name	OJ000209_04.0317.C1.o3.gp	Method	AAT/GAP
Start	10752	End	13212
GI	43856_1.R1084	Score	1033
Exons	10752..10845, 12347..12439, 12594..12699, 12928..13212		
GI Descrip.	'1706082/sp|P52711|CP23_HORVU 3.0e-68 SERINE CARBOXYPEPTIDASE II-3 PRECURSOR (CP-MII.3) >gi_629787_pir__S44191 serine-type carboxypeptidase (EC 3.4.16.1) II-3 - barley >gi_619350_bbs_153536 CP-MII.3=serine carboxypeptidase [Hordeum vulgare=barley, cv. Alexis, aleurone, Peptide, 516 aa] >gi_474392_emb_CAA55478.1_ (X78877) serine carboxylase II-3		

[Hordeum vulgare]'

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83630	Strand	-
Start	1	End	96
Name	OJ000209_04.0317.C2.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	702017	Score	183
Exons	1..96		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	9	End	332
GI	none	Score	45
Exons	9..38, 19..51, 108..326, 127..327, 127..327, 177..332		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o1.np	Method	AAT/NAP
Start	125	End	2583
GI	7329701	Score	356
Exons	125..311, 556..637, 733..763, 881..933, 1013..1032, 1116..1184, 1268..1381, 1435..1478, 2453..2583		
GI Descrip.	(AL162295) putative protein [Arabidopsis thaliana]		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o2.ts	Method	TBLASTX:Soybean
Start	178	End	2587
GI	none	Score	92
Exons	178..309, 2430..2540, 2441..2539, 2534..2587, 2538..2576		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	552	End	1382
GI	none	Score	62
Exons	552..638, 554..637, 730..768, 743..775, 874..933, 878..952, 1013..1036, 1014..1052, 1107..1172, 1117..1173, 1269..1382, 1275..1382		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o2.gp	Method	AAT/GAP
Start	556	End	1092
GI	none	Score	776
Exons	556..637, 732..1092		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596

Name	OJ000209_04.0317.C2.o1.tc	Method	TBLASTX:Cress
Start	578	End	2587
GI	none	Score	57
Exons	578..637, 1112..1183, 1114..1185, 1114..1182, 1264..1338, 1269..1385, 1272..1379, 2430..2528, 2441..2530, 2543..2587		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o3.tm	Method	TBLASTX:Maize
Start	695	End	988
GI	none	Score	76
Exons	695..769, 698..769, 699..773, 705..770, 706..774, 709..774, 788..841, 796..840, 805..855, 847..987, 860..988		

Seq. No.	40406	Seq. ID	OJ000209_04.0317.C2
Gene No.	83631	Strand	-
Start	125	End	2596
Name	OJ000209_04.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	1251	End	2596
GI	none	Score	169
Exons	1251..1385, 1263..1385, 2436..2576, 2441..2596, 2564..2593		

Seq. No.	40407	Seq. ID	OJ000209_04.0317.C4
Gene No.	83632	Strand	-
Start	1	End	1996
Name	OJ000209_04.0317.C4.o1.gp	Method	AAT/GAP
Start	1	End	1527
GI	LIB3432-013-P1-K1-B9	Score	738
Exons	1..211, 634..776, 1454..1527		
GI Descrip.	'1362162/pir||A57512 2.0e-28 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'		

Seq. No.	40407	Seq. ID	OJ000209_04.0317.C4
Gene No.	83632	Strand	-
Start	1	End	1996
Name	OJ000209_04.0317.C4.o1.np	Method	AAT/NAP
Start	5	End	1996
GI	7487716	Score	267
Exons	5..211, 634..746, 1454..1579, 1713..1800, 1894..1996		
GI Descrip.	hypothetical protein T5K18.170 - Arabidopsis thaliana gi|3080369|emb|CAA18626.1| (AL022580) putative protein [Arabidopsis thaliana] gi|7268734|emb|CAB78941.1| (AL161550) putative protein [Arabidopsis thaliana]		

Seq. No.	40407	Seq. ID	OJ000209_04.0317.C4
Gene No.	83632	Strand	-
Start	1	End	1996
Name	OJ000209_04.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	5	End	1798
GI	none	Score	247
Exons	5..232, 6..212, 14..214, 632..745, 634..696, 700..792, 713..805, 1455..1553, 1456..1554, 1724..1798		

Seq. No.	40407	Seq. ID	OJ000209_04.0317.C4
Gene No.	83632	Strand	-
Start	1	End	1996

Name	OJ000209_04.0317.C4.o1.gs	Method	GENSCAN
Start	6	End	1953
GI	none	Score	.7
Exons	6..206, 634..776, 1723..1870, 1894..1953		

Seq. No.	40407	Seq. ID	OJ000209_04.0317.C4
Gene No.	83632	Strand	-
Start	1	End	1996
Name	OJ000209_04.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	6	End	226
GI	none	Score	255
Exons	6..224, 11..226, 14..226		

Seq. No.	40407	Seq. ID	OJ000209_04.0317.C4
Gene No.	83632	Strand	-
Start	1	End	1996
Name	OJ000209_04.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	628	End	1990
GI	none	Score	125
Exons	628..777, 632..790, 634..777, 1448..1552, 1455..1553, 1456..1554, 1724..1801, 1724..1801, 1891..1968, 1892..1927, 1957..1989, 1958..1990		

Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83633	Strand	+
Start	3756	End	4714
Name	OJ000209_04.0317.C5.o2.np	Method	AAT/NAP
Start	3198	End	4714
GI	2130042	Score	1552
Exons	3198..3243, 3638..4714		
GI Descrip.	Mg-chelatase chain Xantha-f - barley gi|861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]		

Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83633	Strand	+
Start	3756	End	4714
Name	OJ000209_04.0317.C5.o2.gs	Method	GENSCAN
Start	3756	End	4596
GI	none	Score	.51
Exons	3756..3963, 4177..4596		

Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83634	Strand	-
Start	752	End	3009
Name	OJ000209_04.0317.C5.o1.gs	Method	GENSCAN
Start	752	End	2895
GI	none	Score	.74
Exons	752..967, 1133..1272, 1455..1554, 1826..2009, 2188..2428, 2565..2678, 2748..2895		

Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83634	Strand	-
Start	752	End	3009
Name	OJ000209_04.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	752	End	2099
GI	none	Score	223

Exons	752..979, 755..973, 772..984, 1131..1214, 1133..1189, 1186..1272, 1187..1273, 1188..1274, 1205..1273, 1452..1553, 1454..1552, 1456..1554, 1457..1555, 1648..1680, 1649..1678, 1663..1716, 1667..1714, 1823..1849, 1934..2098, 1935..2099		
Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83634	Strand	-
Start	752	End	3009
Name	OJ000209_04.0317.C5.o1.np	Method	AAT/NAP
Start	761	End	3009
GI	7487716	Score	225
Exons	761..967, 1133..1242, 1455..1558, 1616..1715, 2909..3009		
GI Descrip.	hypothetical protein T5K18.170 - Arabidopsis thaliana gi|3080369|emb|CAA18626.1| (AL022580) putative protein [Arabidopsis thaliana] gi|7268734|emb|CAB78941.1| (AL161550) putative protein [Arabidopsis thaliana]		
Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83634	Strand	-
Start	752	End	3009
Name	OJ000209_04.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	761	End	1716
GI	none	Score	205
Exons	761..973, 774..968, 1131..1190, 1133..1189, 1205..1273, 1209..1274, 1209..1274, 1454..1549, 1456..1554, 1457..1555, 1648..1680, 1649..1708, 1663..1716		
Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83635	Strand	
Start	3596	End	4712
Name	OJ000209_04.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	3596	End	4712
GI	none	Score	245
Exons	3596..3796, 3634..3792, 3788..3970, 3792..3968, 3804..3989, 3863..3976, 3945..4139, 3967..4140, 4131..4667, 4139..4711, 4140..4712		
Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83635	Strand	
Start	3596	End	4712
Name	OJ000209_04.0317.C5.o3.tc	Method	TBLASTX:Cress
Start	3630	End	3790
GI	none	Score	97
Exons	3630..3779, 3634..3780, 3634..3789, 3638..3790		
Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83635	Strand	
Start	3596	End	4712
Name	OJ000209_04.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	3830	End	4310
GI	none	Score	200
Exons	3830..3970, 3834..3968, 3967..4140, 3969..4139, 4131..4307, 4136..4309, 4140..4310		
Seq. No.	40408	Seq. ID	OJ000209_04.0317.C5
Gene No.	83635	Strand	
Start	3596	End	4712

Name	OJ000209_04.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	4014	End	4519
GI	none	Score	129
Exons	4014..4139, 4016..4138, 4020..4139, 4045..4140, 4124..4480, 4137..4517, 4161..4517, 4165..4518, 4166..4519		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83636	Strand	+
Start	1	End	1518
Name	OJ000209_04.0317.C6.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	2130042	Score	2098
Exons	1..568, 667..1518		
GI Descrip.	Mg-chelatase chain Xantha-f - barley gi|861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83636	Strand	+
Start	1	End	1518
Name	OJ000209_04.0317.C6.o1.gs	Method	GENSCAN
Start	231	End	1437
GI	none	Score	.78
Exons	231..568, 601..1437		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83636	Strand	+
Start	1	End	1518
Name	OJ000209_04.0317.C6.o1.gp	Method	AAT/GAP
Start	548	End	1362
GI	7195_1.R1084	Score	1340
Exons	548..568, 667..1362		
GI Descrip.	'2130042/pir||S64721 4.0e-34 Mg-chelatase chain Xantha-f - barley >gi_861199 (U26916) protoporphyrin IX Mg-chelatase subunit precursor [Hordeum vulgare]'		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	10	End	1678
GI	none	Score	855
Exons	10..162, 11..580, 23..580, 664..1530, 664..936, 666..1436, 875..1540, 1606..1671, 1616..1678, 1618..1677, 1619..1678		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o1.ts	Method	TBLASTX:Soybean
Start	11	End	1524
GI	none	Score	848
Exons	11..580, 13..564, 26..580, 663..929, 664..1524, 664..927, 666..1436, 1141..1524		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431

Name	OJ000209_04.0317.C6.o5.tc	Method	TBLASTX:Cress
Start	11	End	151
GI	none	Score	194
Exons	11..151, 22..150		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o2.tc	Method	TBLASTX:Cress
Start	158	End	735
GI	none	Score	606
Exons	158..580, 171..452, 214..567, 664..735, 666..734		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o1.tc	Method	TBLASTX:Cress
Start	737	End	1521
GI	none	Score	118
Exons	737..1066, 781..1521, 795..1436, 1141..1521		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o2.gs	Method	GENSCAN
Start	2099	End	4345
GI	none	Score	.95
Exons	2099..2104, 2610..2681, 2763..2889, 3057..4345		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o5.ts	Method	TBLASTX:Soybean
Start	2205	End	2636
GI	none	Score	69
Exons	2205..2336, 2250..2555, 2538..2636		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o2.np	Method	AAT/NAP
Start	2208	End	4431
GI	2335100	Score	1947
Exons	2208..2681, 2763..2889, 3057..4431		
GI Descrip.	(AC002339) unknown protein [Arabidopsis thaliana]		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o3.tm	Method	TBLASTX:Maize
Start	2211	End	2819
GI	none	Score	195
Exons	2211..2651, 2214..2681, 2760..2819, 2764..2817		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431

Name	OJ000209_04.0317.C6.o4.tc	Method	TBLASTX:Cress
Start	2808	End	3332
GI	none	Score	121
Exons	2808..2894, 3055..3297, 3056..3298, 3056..3331, 3069..3332		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	2820	End	3845
GI	none	Score	771
Exons	2820..2924, 3054..3845, 3055..3417, 3056..3838		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o3.ts	Method	TBLASTX:Soybean
Start	3054	End	3383
GI	none	Score	311
Exons	3054..3383, 3056..3382		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o2.ts	Method	TBLASTX:Soybean
Start	3576	End	3904
GI	none	Score	234
Exons	3576..3851, 3581..3868, 3813..3899, 3851..3904		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o4.tm	Method	TBLASTX:Maize
Start	3847	End	4210
GI	none	Score	91
Exons	3847..4077, 3854..3979, 3854..4078, 3975..4079, 4100..4210, 4101..4181		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o3.tc	Method	TBLASTX:Cress
Start	3941	End	4354
GI	none	Score	88
Exons	3941..4075, 3981..4073, 4092..4181, 4100..4354		

Seq. No.	40409	Seq. ID	OJ000209_04.0317.C6
Gene No.	83637	Strand	-
Start	2099	End	4431
Name	OJ000209_04.0317.C6.o4.ts	Method	TBLASTX:Soybean
Start	3998	End	4246
GI	none	Score	101
Exons	3998..4078, 4002..4079, 4100..4246		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83638	Strand	+
Start	169	End	1725

Name	OJ000209_04.0317.C7.o1.gs	Method	GENSCAN
Start	169	End	1725
GI	none	Score	.96
Exons	169..314, 334..562, 641..978, 1143..1212, 1714..1725		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83639	Strand	+
Start	7540	End	10488
Name	OJ000209_04.0317.C7.o2.np	Method	AAT/NAP
Start	7540	End	10485
GI	5902444	Score	4739
Exons	7540..10485		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83639	Strand	+
Start	7540	End	10488
Name	OJ000209_04.0317.C7.o3.gs	Method	GENSCAN
Start	7540	End	10488
GI	none	Score	.96
Exons	7540..10488		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	2407	End	4996
GI	none	Score	321
Exons	2407..2688, 2417..2698, 2427..2702, 2756..2896, 2791..2898, 2793..2897, 2799..2900, 3009..3059, 3016..3045, 3154..3375, 3158..3376, 3167..3376, 3553..3672, 3553..3672, 3557..3694, 3795..4040, 3796..4041, 4128..4226, 4129..4227, 4286..4384, 4302..4385, 4476..4562, 4480..4563, 4480..4554, 4665..4724, 4665..4724, 4817..4996, 4818..4985		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o2.gs	Method	GENSCAN
Start	2408	End	6725
GI	none	Score	.69
Exons	2408..2688, 2795..2897, 3015..3046, 3159..3376, 3554..3669, 3798..3940, 4479..4554, 4665..4723, 4819..5064, 5367..5458, 6183..6376, 6391..6683, 6689..6725		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o1.np	Method	AAT/NAP
Start	2411	End	5065
GI	1362162	Score	1897
Exons	2411..2688, 2795..2897, 3015..3046, 3159..3376, 3554..3669, 3798..4041, 4138..4225, 4312..4383, 4479..4554, 4665..4723, 4819..5065		
GI Descrip.	beta-glucosidase BGQ60 precursor - barley gi|804656 (L41869) beta-glucosidase [Hordeum vulgare]		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	2413	End	4960
GI	none	Score	89
Exons	2413..2655, 2417..2689, 2439..2690, 2791..2898, 2791..2889, 2793..2900, 2799..2903, 3009..3053, 3160..3375, 3161..3376, 3163..3378, 3553..3663, 3554..3661, 3620..3664, 3786..3890, 3792..3887, 3903..4034, 3904..4038, 4132..4239, 4137..4232, 4286..4384, 4302..4382, 4477..4554, 4480..4554, 4665..4724, 4668..4724, 4817..4960, 4818..4958		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o2.tc	Method	TBLASTX:Cress
Start	2414	End	3824
GI	none	Score	95
Exons	2414..2689, 2437..2688, 2439..2690, 2613..2690, 2759..2893, 2791..2892, 2791..2898, 2793..2900, 3211..3375, 3212..3367, 3553..3672, 3553..3663, 3786..3824		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o2.tw	Method	TBLASTX:Wheat
Start	2423	End	2850
GI	none	Score	197
Exons	2423..2689, 2430..2690, 2791..2850, 2793..2849		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o1.gp	Method	AAT/GAP
Start	3213	End	3860
GI	1631549	Score	601
Exons	3213..3376, 3554..3669, 3798..3860		
GI Descrip.	1362162/pir||A57512 2.0e-28 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	3864	End	4952
GI	none	Score	40
Exons	3864..3887, 3864..3887, 3903..4034, 3904..4038, 4137..4226, 4153..4227, 4286..4384, 4302..4385, 4480..4554, 4481..4555, 4665..4730, 4814..4951, 4818..4952		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o3.tw	Method	TBLASTX:Wheat
Start	3897	End	4530
GI	none	Score	110

Exons	3897..4034, 3907..4035, 4128..4226, 4129..4227, 4301..4384, 4302..4385, 4480..4530, 4481..4525		
Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83640	Strand	-
Start	2408	End	6725
Name	OJ000209_04.0317.C7.o2.gp	Method	AAT/GAP
Start	4678	End	5264
GI	uC-osflm202101e02b1	Score	939
Exons	4678..4723, 4819..5264		
GI Descrip.	'1362162/pir||A57512 1.0e-17 beta-glucosidase BGQ60 precursor - barley >gi_804656 (L41869) beta-glucosidase [Hordeum vulgare]'		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83641	Strand	
Start	8844	End	9246
Name	OJ000209_04.0317.C7.o4.tw	Method	TBLASTX:Wheat
Start	8844	End	9246
GI	none	Score	297
Exons	8844..9152, 8845..9246		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83642	Strand	
Start	9820	End	10563
Name	OJ000209_04.0317.C7.o1.tw	Method	TBLASTX:Wheat
Start	9820	End	10563
GI	none	Score	149
Exons	9820..9996, 10041..10277, 10045..10275, 10324..10563, 10389..10562, 10465..10563		

Seq. No.	40410	Seq. ID	OJ000209_04.0317.C7
Gene No.	83642	Strand	
Start	9820	End	10563
Name	OJ000209_04.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	10128	End	10275
GI	none	Score	183
Exons	10128..10274, 10129..10275		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83643	Strand	+
Start	22	End	8021
Name	OJ000209_04.0317.C8.o1.gs	Method	GENSCAN
Start	22	End	8021
GI	none	Score	.6
Exons	22..168, 425..619, 675..1908, 2108..2384, 3023..3467, 3494..3633, 4076..4164, 4336..4487, 4722..4744, 4940..8021		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83643	Strand	+
Start	22	End	8021
Name	OJ000209_04.0317.C8.o1.np	Method	AAT/NAP
Start	22	End	4775
GI	5042454	Score	4476
Exons	22..168, 509..619, 675..2384, 3023..3633, 4315..4487, 4722..4775		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8

Gene No.	83643	Strand	+
Start	22	End	8021
Name	OJ000209_04.0317.C8.o2.np	Method	AAT/NAP
Start	4923	End	8018
GI	5902445	Score	5315
Exons	4923..8018		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o7.tw	Method	TBLASTX:Wheat
Start	1347	End	1739
GI	none	Score	58
Exons	1347..1394, 1401..1499, 1418..1498, 1466..1627, 1482..1739		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o6.tm	Method	TBLASTX:Maize
Start	1352	End	1637
GI	none	Score	193
Exons	1352..1636, 1389..1637		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o4.tm	Method	TBLASTX:Maize
Start	2143	End	7970
GI	none	Score	102
Exons	2143..2253, 2241..2336, 2254..2337, 7737..7889, 7838..7888, 7868..7969, 7869..7970		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o5.tw	Method	TBLASTX:Wheat
Start	2143	End	8009
GI	none	Score	50
Exons	2143..2217, 2247..2369, 2248..2373, 7395..7673, 7556..7657, 7728..7886, 7872..8009, 7883..8005		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o4.tw	Method	TBLASTX:Wheat
Start	3447	End	6116
GI	none	Score	85
Exons	3447..3572, 5687..5959, 5688..6116		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o6.tw	Method	TBLASTX:Wheat
Start	4885	End	5222
GI	none	Score	129
Exons	4885..5214, 4913..5221, 4914..5222, 4926..5222		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	4917	End	5273
GI	none	Score	124
Exons	4917..5132, 5139..5273		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	4998	End	5354
GI	none	Score	375
Exons	4998..5354, 5039..5344		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	5223	End	5642
GI	none	Score	468
Exons	5223..5642, 5223..5438, 5225..5641		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	5487	End	5918
GI	none	Score	320
Exons	5487..5918, 5534..5677, 5714..5884		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	5586	End	6029
GI	none	Score	264
Exons	5586..5840, 5610..5786, 5618..5839, 5861..5992, 5862..5993, 6003..6029		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	6144	End	6532
GI	none	Score	88
Exons	6144..6248, 6152..6532, 6288..6530		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o3.tw	Method	TBLASTX:Wheat
Start	6153	End	6577
GI	none	Score	417
Exons	6153..6575, 6161..6577		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o5.tm	Method	TBLASTX:Maize
Start	6206	End	6479
GI	none	Score	126
Exons	6206..6376, 6207..6377, 6381..6479, 6413..6478		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o8.tw	Method	TBLASTX:Wheat
Start	6591	End	6890
GI	none	Score	134
Exons	6591..6725, 6750..6890		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	6887	End	7250
GI	none	Score	446
Exons	6887..7198, 6888..7211, 6908..7222, 7202..7249, 7203..7250		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o2.tw	Method	TBLASTX:Wheat
Start	6893	End	7280
GI	none	Score	420
Exons	6893..7204, 6894..7280, 7095..7280		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o7.tm	Method	TBLASTX:Maize
Start	7352	End	7625
GI	none	Score	95
Exons	7352..7450, 7353..7451, 7442..7528, 7446..7529, 7539..7625		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o2.gs	Method	GENSCAN
Start	8338	End	8799
GI	none	Score	.99
Exons	8338..8799		

Seq. No.	40411	Seq. ID	OJ000209_04.0317.C8
Gene No.	83644	Strand	-
Start	8338	End	8799
Name	OJ000209_04.0317.C8.o3.np	Method	AAT/NAP
Start	8341	End	8799
GI	5902446	Score	685
Exons	8341..8799		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83645	Strand	+
Start	4187	End	9790
Name	OJ000209_04.0317.C9.o1.gp	Method	AAT/GAP
Start	3654	End	3802
GI	uC-osflcyp177g01a1	Score	237
Exons	3654..3802		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83645	Strand	+
Start	4187	End	9790
Name	OJ000209_04.0317.C9.o2.gs	Method	GENSCAN
Start	4187	End	9790
GI	none	Score	.75
Exons	4187..4222, 6244..6312, 6641..6799, 6902..7156, 8106..9347, 9608..9790		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83645	Strand	+
Start	4187	End	9790
Name	OJ000209_04.0317.C9.o2.gp	Method	AAT/GAP
Start	8843	End	9247
GI	2799602	Score	599
Exons	8843..9020, 9111..9247		
GI Descrip.	6006871/gb|AAF00647.1|AC009540_24 2.0e-16 (AC009540) hypothetical protein [Arabidopsis thaliana] >gi_6091753_gb_AAF03463.1_AC009327_2 (AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83646	Strand	+
Start	10471	End	10734
Name	OJ000209_04.0317.C9.o3.gp	Method	AAT/GAP
Start	10471	End	10734
GI	24989_1.R1084	Score	311
Exons	10471..10661, 10694..10734		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83647	Strand	-
Start	1	End	2351
Name	OJ000209_04.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	2351
GI	6691716	Score	1760
Exons	1..43, 194..297, 373..567, 744..1011, 1094..1269, 1467..2351		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83647	Strand	-
Start	1	End	2351
Name	OJ000209_04.0317.C9.o1.gs	Method	GENSCAN

Start	108	End	2351
GI	none	Score	.86
Exons	108..297, 373..560, 680..1011, 1094..1269, 1467..2351		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83648	Strand	-
Start	12502	End	12912
Name	OJ000209_04.0317.C9.o3.gs	Method	GENSCAN
Start	12502	End	12912
GI	none	Score	.97
Exons	12502..12912		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	1941	End	2231
GI	none	Score	211
Exons	1941..2231		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o2.tc	Method	TBLASTX:Cress
Start	8103	End	8549
GI	none	Score	55
Exons	8103..8174, 8259..8549, 8291..8524		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	8253	End	8666
GI	none	Score	666
Exons	8253..8666, 8253..8663, 8255..8665		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	8385	End	8644
GI	none	Score	238
Exons	8385..8642, 8393..8644		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	8556	End	9136
GI	none	Score	388
Exons	8556..8924, 8567..8872, 8874..8966, 8928..9044, 8939..9016, 9072..9134, 9092..9136		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o2.tm	Method	TBLASTX:Maize

Start	8973	End	9802
GI	none	Score	93
Exons	8973..9044, 8973..9032, 8975..9043, 9075..9371, 9110..9370, 9602..9802, 9607..9768, 9620..9796		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o2.np	Method	AAT/NAP
Start	13078	End	16353
GI	6862912	Score	785
Exons	13078..13141, 13412..13727, 13838..14001, 14777..15196, 15292..15548, 16311..16353		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o4.gs	Method	GENSCAN
Start	13402	End	16227
GI	none	Score	.46
Exons	13402..13723, 13843..13985, 14201..14297, 14777..15249, 15440..15569, 15722..15806, 15808..16039, 16168..16227		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	13412	End	15392
GI	none	Score	92
Exons	13412..13486, 13417..13485, 13528..13581, 13848..13991, 14788..14883, 14792..14902, 14935..15042, 14960..15028, 15094..15207, 15098..15151, 15285..15392		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	14788	End	15392
GI	none	Score	125
Exons	14788..14883, 14935..15006, 15094..15207, 15291..15392		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o3.tc	Method	TBLASTX:Cress
Start	14791	End	15393
GI	none	Score	82
Exons	14791..14880, 14935..14985, 15094..15207, 15288..15392, 15289..15393		

Seq. No.	40412	Seq. ID	OJ000209_04.0317.C9
Gene No.	83649	Strand	-
Start	13078	End	16353
Name	OJ000209_04.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	14800	End	15335
GI	none	Score	58

Exons	14800..14853, 14935..14991, 15094..15204, 15101..15148, 15282..15335		
Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83650	Strand	-
Start	1	End	4130
Name	OJ000209_04.0317.C10.o1.np	Method	AAT/NAP
Start	1	End	4090
GI	3850582	Score	595
Exons	1..37, 693..788, 1197..1313, 1831..1917, 1997..2095, 2721..2775, 3172..3233, 4007..4090		
GI Descrip.	(AC005278) F15K9.14 [Arabidopsis thaliana]		

Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83650	Strand	-
Start	1	End	4130
Name	OJ000209_04.0317.C10.o1.gp	Method	AAT/GAP
Start	299	End	786
GI	LIB3432-039-P1-K1-H9	Score	171
Exons	299..349, 693..786		
GI Descrip.	'3850582 3.0e-20 (AC005278) F15K9.14 [Arabidopsis thaliana]'		

Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83650	Strand	-
Start	1	End	4130
Name	OJ000209_04.0317.C10.o1.gs	Method	GENSCAN
Start	319	End	4093
GI	none	Score	.86
Exons	319..349, 693..785, 1197..1313, 1831..1917, 1997..2095, 2721..2775, 3494..3612, 3998..4093		

Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83650	Strand	-
Start	1	End	4130
Name	OJ000209_04.0317.C10.o2.gp	Method	AAT/GAP
Start	1880	End	4130
GI	uC-osf1cyp074c04b1	Score	670
Exons	1880..1917, 1997..2095, 2721..2775, 3172..3233, 3998..4130		
GI Descrip.	'3850582 3.0e-34 (AC005278) F15K9.14 [Arabidopsis thaliana]'		

Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83651	Strand	-
Start	5179	End	5766
Name	OJ000209_04.0317.C10.o1.tm	Method	TBLASTX:Maize
Start	690	End	4121
GI	none	Score	102
Exons	690..782, 690..785, 694..786, 1176..1277, 1193..1315, 1198..1320, 1198..1314, 1274..1321, 1811..1918, 1828..1917, 1832..1918, 1990..2016, 1991..2095, 1994..2107, 2718..2774, 3172..3234, 3176..3235, 3180..3236, 3977..4120, 3984..4121		

Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83651	Strand	-
Start	5179	End	5766
Name	OJ000209_04.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	1212	End	2777
GI	none	Score	92

Exons	1212..1277, 1213..1296, 1825..1917, 1832..1918, 1976..2107, 1988..2095, 2718..2777		
Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83651	Strand	-
Start	5179	End	5766
Name	OJ000209_04.0317.C10.o3.gp	Method	AAT/GAP
Start	5179	End	5766
GI	none	Score	1016
Exons	5179..5766		
Seq. No.	40413	Seq. ID	OJ000209_04.0317.C10
Gene No.	83651	Strand	-
Start	5179	End	5766
Name	OJ000209_04.0317.C10.o2.tm	Method	TBLASTX:Maize
Start	5571	End	5715
GI	none	Score	122
Exons	5571..5714, 5572..5715		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83652	Strand	+
Start	384	End	4472
Name	OJ000209_04.0317.C11.o1.np	Method	AAT/NAP
Start	384	End	3346
GI	130593	Score	580
Exons	384..407, 2298..3346		
GI Descrip.	ENZYMATIC POLYPROTEIN [CONTAINS: ASPARTIC PROTEASE ; ENDONUCLEASE; REVERSE TRANSCRIPTASE] gi|76775|pir||S00854 hypothetical protein 5 - carnation etched ring virus gi|58863|emb|CAA28360| (X04658) pot. ORF 5 (AA 1-659) [Carnation etched ring virus] gi|225356|prf||1301227E ORF 5 [Carnation etched ring virus]		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83652	Strand	+
Start	384	End	4472
Name	OJ000209_04.0317.C11.o3.gs	Method	GENSCAN
Start	2636	End	4472
GI	none	Score	.63
Exons	2636..2906, 2943..3039, 3338..3497, 3852..4472		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83653	Strand	+
Start	4801	End	8478
Name	OJ000209_04.0317.C11.o2.np	Method	AAT/NAP
Start	4801	End	8478
GI	7228451	Score	136
Exons	4801..4890, 5650..5806, 8431..8478		
GI Descrip.	(AP001366) EST AU055734(S20025) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83654	Strand	+
Start	8865	End	11205
Name	OJ000209_04.0317.C11.o5.gs	Method	GENSCAN
Start	8865	End	11205
GI	none	Score	.8

Exons	8865..9031, 10584..10677, 11188..11205		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83655	Strand	-
Start	60	End	363
Name	OJ000209_04.0317.C11.o1.gs	Method	GENSCAN
Start	60	End	363
GI	none	Score	.58
Exons	60..363		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83656	Strand	-
Start	1594	End	2193
Name	OJ000209_04.0317.C11.o2.gs	Method	GENSCAN
Start	1594	End	2193
GI	none	Score	.54
Exons	1594..1733, 2184..2193		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83657	Strand	-
Start	2228	End	8363
Name	OJ000209_04.0317.C11.o1.gp	Method	AAT/GAP
Start	2228	End	5848
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	2228..2273, 5789..5848		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83657	Strand	-
Start	2228	End	8363
Name	OJ000209_04.0317.C11.o3.np	Method	AAT/NAP
Start	4907	End	8363
GI	7488000	Score	348
Exons	4907..4960, 6344..6690, 6843..6999, 7822..7932, 8124..8363		
GI Descrip.	pectinesterase homolog T20K24.17 - Arabidopsis thaliana gi|3176717|gb|AAD12032.1| (AC002392) putative pectinesterase [Arabidopsis thaliana]		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83657	Strand	-
Start	2228	End	8363
Name	OJ000209_04.0317.C11.o4.gs	Method	GENSCAN
Start	5249	End	8341
GI	none	Score	.84
Exons	5249..5440, 6344..6480, 6498..6690, 6843..6947, 7719..7932, 7972..8084, 8120..8341		
Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83658	Strand	-
Start	11539	End	12151
Name	OJ000209_04.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	6346	End	6693
GI	none	Score	134
Exons	6346..6540, 6574..6693		

Seq. No.	40414	Seq. ID	OJ000209_04.0317.C11
Gene No.	83658	Strand	-
Start	11539	End	12151
Name	OJ000209_04.0317.C11.o6.gs	Method	GENSCAN
Start	11539	End	12151
GI	none	Score	.54
Exons	11539..11718, 11897..12151		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83659	Strand	+
Start	710	End	1830
Name	OJ000209_04.0317.C15.o1.gs	Method	GENSCAN
Start	710	End	1830
GI	none	Score	.49
Exons	710..975, 1530..1830		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83660	Strand	-
Start	515	End	2715
Name	OJ000209_04.0317.C15.o1.np	Method	AAT/NAP
Start	515	End	2715
GI	6598513	Score	158
Exons	515..591, 2590..2715		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83660	Strand	-
Start	515	End	2715
Name	OJ000209_04.0317.C15.o2.gs	Method	GENSCAN
Start	2171	End	2715
GI	none	Score	.75
Exons	2171..2203, 2590..2715		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83660	Strand	-
Start	515	End	2715
Name	OJ000209_04.0317.C15.o2.np	Method	AAT/NAP
Start	2585	End	2700
GI	4868120	Score	66
Exons	2585..2700		
GI Descrip.	(AF116556) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83661	Strand	-
Start	4059	End	5257
Name	OJ000209_04.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	4053	End	5029
GI	none	Score	36
Exons	4053..4091, 4054..4092, 4076..4156, 4083..4157, 4084..4158, 4085..4162, 4651..4791, 4654..4779, 4661..4786, 4662..4790, 4869..4994, 4871..5029, 4871..5023, 4918..5025		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83661	Strand	-
Start	4059	End	5257
Name	OJ000209_04.0317.C15.o3.np	Method	AAT/NAP
Start	4059	End	5257

GI	6648207	Score	306
Exons	4059..4155, 4654..4788, 4871..5257		
GI Descrip.	(AC013483) unknown protein [Arabidopsis thaliana]		

Seq. No.	40415	Seq. ID	OJ000209_04.0317.C15
Gene No.	83661	Strand	-
Start	4059	End	5257
Name	OJ000209_04.0317.C15.o1.ts	Method	TBLASTX:Soybean
Start	4639	End	5019
GI	none	Score	122
Exons	4639..4791, 4662..4790, 4856..5005, 4871..4999, 4873..5007, 4918..5019		

Seq. No.	40416	Seq. ID	OJ000209_06.0317.C1
Gene No.	83662	Strand	+
Start	789	End	1098
Name	OJ000209_06.0317.C1.o1.np	Method	AAT/NAP
Start	789	End	1098
GI	3449041	Score	161
Exons	789..1098		
GI Descrip.	(U73462) carbonic anhydrase [Arabidopsis thaliana]		

Seq. No.	40416	Seq. ID	OJ000209_06.0317.C1
Gene No.	83662	Strand	+
Start	789	End	1098
Name	OJ000209_06.0317.C1.o1.tm	Method	TBLASTX:Maize
Start	852	End	1089
GI	none	Score	235
Exons	852..1088, 853..1089		

Seq. No.	40416	Seq. ID	OJ000209_06.0317.C1
Gene No.	83662	Strand	+
Start	789	End	1098
Name	OJ000209_06.0317.C1.o1.ts	Method	TBLASTX:Soybean
Start	871	End	1071
GI	none	Score	199
Exons	871..1071, 882..1070		

Seq. No.	40416	Seq. ID	OJ000209_06.0317.C1
Gene No.	83662	Strand	+
Start	789	End	1098
Name	OJ000209_06.0317.C1.o1.gp	Method	AAT/GAP
Start	990	End	1098
GI	uC-osf1M202071g11b1	Score	202
Exons	990..1098		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	40417	Seq. ID	OJ000209_06.0317.C2
Gene No.	83663	Strand	-
Start	1	End	757
Name	OJ000209_06.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	757
GI	6006359	Score	77
Exons	1..31, 660..757		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	40418	Seq. ID	OJ000209_06.0317.C4
Gene No.	83664	Strand	+
Start	1	End	183
Name	OJ000209_06.0317.C4.o1.np	Method	AAT/NAP
Start	1	End	183
GI	5852084	Score	90
Exons	1..183		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	40418	Seq. ID	OJ000209_06.0317.C4
Gene No.	83665	Strand	+
Start	100	End	186
Name	OJ000209_06.0317.C4.o1.gs	Method	GENSCAN
Start	100	End	186
GI	none	Score	.65
Exons	100..186		

Seq. No.	40419	Seq. ID	OJ000209_06.0317.C7
Gene No.	83666	Strand	-
Start	79	End	1755
Name	OJ000209_06.0317.C7.o1.gs	Method	GENSCAN
Start	79	End	1755
GI	none	Score	.82
Exons	79..245, 1749..1755		

Seq. No.	40419	Seq. ID	OJ000209_06.0317.C7
Gene No.	83666	Strand	-
Start	79	End	1755
Name	OJ000209_06.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	120	End	1023
GI	none	Score	137
Exons	120..167, 270..335, 800..880, 802..879, 931..1023, 948..1022		

Seq. No.	40420	Seq. ID	OJ000209_06.0317.C8
Gene No.	83667	Strand	+
Start	1	End	2080
Name	OJ000209_06.0317.C8.o1.np	Method	AAT/NAP
Start	1	End	2080
GI	7523517	Score	256
Exons	1..256, 401..455, 2057..2080		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40420	Seq. ID	OJ000209_06.0317.C8
Gene No.	83668	Strand	+
Start	2293	End	2353
Name	OJ000209_06.0317.C8.o2.gp	Method	AAT/GAP
Start	2293	End	2353
GI	2312838	Score	73
Exons	2293..2353		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	40420	Seq. ID	OJ000209_06.0317.C8
Gene No.	83669	Strand	-
Start	5262	End	5782
Name	OJ000209_06.0317.C8.o2.gs	Method	GENSCAN
Start	5262	End	5782

GI	none	Score	.92
Exons	5262..5387, 5735..5782		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o1.np	Method	AAT/NAP
Start	1	End	1604
GI	5911167	Score	1629
Exons	1..1604		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	1	End	313
GI	none	Score	255
Exons	1..120, 2..313		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o1.gs	Method	GENSCAN
Start	38	End	1638
GI	none	Score	.57
Exons	38..720, 1058..1638		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	92	End	400
GI	none	Score	236
Exons	92..400, 127..294, 173..388		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	155	End	603
GI	none	Score	265
Exons	155..400, 158..298, 166..378, 407..469, 407..466, 457..600, 459..602, 460..603		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o3.tm	Method	TBLASTX:Maize
Start	658	End	1007
GI	none	Score	248
Exons	658..993, 669..1007		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o3.tw	Method	TBLASTX:Wheat

Start	795	End	1157
GI	none	Score	118
Exons	795..899, 802..918, 913..1002, 924..1016, 1026..1157, 1055..1126		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	1035	End	1516
GI	none	Score	448
Exons	1035..1514, 1107..1250, 1320..1463, 1346..1516		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	1068	End	1470
GI	none	Score	112
Exons	1068..1214, 1209..1469, 1224..1469, 1321..1470, 1321..1470		

Seq. No.	40421	Seq. ID	OJ000209_06.0317.C9
Gene No.	83670	Strand	+
Start	1	End	1638
Name	OJ000209_06.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	1167	End	1568
GI	none	Score	322
Exons	1167..1568, 1355..1561		

Seq. No.	40422	Seq. ID	OJ000209_06.0317.C12
Gene No.	83671	Strand	-
Start	973	End	1500
Name	OJ000209_06.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	414	End	773
GI	none	Score	102
Exons	414..737, 576..728, 628..738, 726..773		

Seq. No.	40422	Seq. ID	OJ000209_06.0317.C12
Gene No.	83671	Strand	-
Start	973	End	1500
Name	OJ000209_06.0317.C12.o1.gs	Method	GENSCAN
Start	973	End	1500
GI	none	Score	.49
Exons	973..1085, 1482..1500		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83672	Strand	-
Start	626	End	4206
Name	OJ000209_06.0317.C13.o1.gs	Method	GENSCAN
Start	626	End	4206
GI	none	Score	.49
Exons	626..894, 1013..1465, 3342..3698, 3843..4206		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83673	Strand	-
Start	6361	End	7537
Name	OJ000209_06.0317.C13.o2.gs	Method	GENSCAN
Start	6361	End	7525

GI	none	Score	.97
Exons	6361..6578, 6844..6884, 7146..7207, 7325..7525		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83673	Strand	-
Start	6361	End	7537
Name	OJ000209_06.0317.C13.o1.np	Method	AAT/NAP
Start	6364	End	7525
GI	5360180	Score	686
Exons	6364..6578, 6844..6884, 7146..7207, 7325..7525		
GI Descrip.	(AF159883) Cen-like protein FDR1 [Oryza sativa]		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83673	Strand	-
Start	6361	End	7537
Name	OJ000209_06.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	6382	End	7520
GI	none	Score	76
Exons	6382..6519, 6395..6478, 6469..6579, 6470..6580, 6839..6883, 7128..7220, 7145..7207, 7322..7510, 7323..7520		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83673	Strand	-
Start	6361	End	7537
Name	OJ000209_06.0317.C13.o2.ts	Method	TBLASTX:Soybean
Start	6382	End	6884
GI	none	Score	169
Exons	6382..6579, 6392..6580, 6839..6883, 6843..6884		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83673	Strand	-
Start	6361	End	7537
Name	OJ000209_06.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	6382	End	7537
GI	none	Score	87
Exons	6382..6471, 6389..6469, 6469..6579, 6470..6580, 6508..6606, 6510..6590, 6839..6883, 6840..6884, 7128..7217, 7141..7197, 7145..7207, 7146..7220, 7317..7529, 7322..7528, 7403..7537, 7419..7529		

Seq. No.	40423	Seq. ID	OJ000209_06.0317.C13
Gene No.	83673	Strand	-
Start	6361	End	7537
Name	OJ000209_06.0317.C13.o1.ts	Method	TBLASTX:Soybean
Start	7145	End	7513
GI	none	Score	72
Exons	7145..7207, 7146..7217, 7317..7418, 7322..7420, 7421..7513, 7434..7511		

Seq. No.	40424	Seq. ID	OJ000209_06.0317.C14
Gene No.	83674	Strand	+
Start	856	End	1566
Name	OJ000209_06.0317.C14.o1.gs	Method	GENSCAN
Start	856	End	1566
GI	none	Score	.59
Exons	856..931, 1178..1246, 1530..1566		

Seq. No.	40424	Seq. ID	OJ000209_06.0317.C14
Gene No.	83675	Strand	-
Start	2770	End	3319
Name	OJ000209_06.0317.C14.o2.gs	Method	GENSCAN
Start	2770	End	3319
GI	none	Score	.71
Exons	2770..2795, 3145..3319		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83676	Strand	+
Start	1909	End	6488
Name	OJ000209_06.0317.C17.o1.gs	Method	GENSCAN
Start	1909	End	4912
GI	none	Score	.64
Exons	1909..1979, 3327..3402, 3915..3999, 4482..4912		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83676	Strand	+
Start	1909	End	6488
Name	OJ000209_06.0317.C17.o1.np	Method	AAT/NAP
Start	3145	End	6488
GI	7487438	Score	160
Exons	3145..3174, 4586..4832, 6458..6488		
GI Descrip.	hypothetical protein T26B15.4 - Arabidopsis thaliana gi|3298536|gb|AAC25930.1| (AC004681) unknown protein [Arabidopsis thaliana]		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83677	Strand	+
Start	8789	End	15607
Name	OJ000209_06.0317.C17.o2.gs	Method	GENSCAN
Start	8789	End	15607
GI	none	Score	.56
Exons	8789..8858, 9417..9711, 10925..11015, 11217..11319, 11359..11380, 11587..11813, 13725..13978, 14070..14281, 14385..14646, 14764..15050, 15478..15607		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83677	Strand	+
Start	8789	End	15607
Name	OJ000209_06.0317.C17.o2.np	Method	AAT/NAP
Start	13679	End	15060
GI	4510348	Score	977
Exons	13679..13990, 14073..14281, 14385..14624, 14730..15060		
GI Descrip.	(AC006921) unknown protein [Arabidopsis thaliana]		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83678	Strand	+
Start	19059	End	30070
Name	OJ000209_06.0317.C17.o4.np	Method	AAT/NAP
Start	18844	End	20342
GI	5852093	Score	48
Exons	18844..18874, 20213..20342		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83678	Strand	+

Start	19059	End	30070
Name	OJ000209_06.0317.C17.o4.gs	Method	GENSCAN
Start	19059	End	30070
GI	none	Score	.71
Exons	19059..19173, 20528..20605, 21436..21547, 21934..22123, 22374..22439, 23730..23836, 26121..26265, 26399..26447, 26880..27094, 27303..27446, 28532..28656, 29064..29202, 29580..29659, 29998..30070		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83679	Strand	+
Start	33799	End	34156
Name	OJ000209_06.0317.C17.o2.gp	Method	AAT/GAP
Start	33799	End	34156
GI	4879670	Score	688
Exons	33799..34156		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83680	Strand	+
Start	39084	End	42646
Name	OJ000209_06.0317.C17.o7.gs	Method	GENSCAN
Start	39084	End	42646
GI	none	Score	.92
Exons	39084..39168, 40819..41852, 42590..42646		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83680	Strand	+
Start	39084	End	42646
Name	OJ000209_06.0317.C17.o5.np	Method	AAT/NAP
Start	39986	End	41894
GI	4314401	Score	1070
Exons	39986..40052, 40831..41894		
GI Descrip.	(AC006232) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83681	Strand	+
Start	42861	End	43005
Name	OJ000209_06.0317.C17.o4.gp	Method	AAT/GAP
Start	42861	End	43005
GI	1298_1.R1084	Score	271
Exons	42861..43005		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83682	Strand	-
Start	17520	End	18205
Name	OJ000209_06.0317.C17.o3.np	Method	AAT/NAP
Start	17520	End	18205
GI	6143869	Score	547
Exons	17520..18205		
GI Descrip.	(AC010927) germin-like protein [Arabidopsis thaliana]		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83682	Strand	-
Start	17520	End	18205
Name	OJ000209_06.0317.C17.o1.gp	Method	AAT/GAP

Start	17786	End	18135
GI	5038585	Score	700
Exons	17786..18135		
GI Descrip.	1169942/sp|P45852|GLP1_MESCR 1.0e-19 GERMIN-LIKE PROTEIN PRECURSOR >gi_167258 (M93041) germin-like protein [Mesembryanthemum crystallinum] >gi_445592_prf__1909344A germin-like protein [Mesembryanthemum crystallinum]		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o4.tw	Method	TBLASTX:Wheat
Start	3950	End	9544
GI	none	Score	234
Exons	3950..4000, 4646..4822, 4690..4821, 9431..9544		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o2.ts	Method	TBLASTX:Soybean
Start	13764	End	14547
GI	none	Score	37
Exons	13764..13781, 13778..13990, 13789..13962, 14070..14297, 14087..14143, 14210..14281, 14382..14543, 14383..14547		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o2.tm	Method	TBLASTX:Maize
Start	13771	End	14645
GI	none	Score	64
Exons	13771..13974, 13773..13880, 13778..13975, 14067..14282, 14068..14283, 14079..14282, 14382..14453, 14382..14645, 14383..14643		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o2.tc	Method	TBLASTX:Cress
Start	13778	End	14282
GI	none	Score	148
Exons	13778..13954, 13792..13953, 14067..14282, 14087..14275		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o1.tw	Method	TBLASTX:Wheat
Start	13846	End	14427
GI	none	Score	120
Exons	13846..13974, 13847..13978, 13847..13969, 13855..13980, 14063..14143, 14068..14166, 14070..14282, 14070..14282, 14383..14427		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o3.tc	Method	TBLASTX:Cress

Start	14454	End	15048
GI	none	Score	339
Exons	14454..14627, 14755..15048, 14799..15029		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o3.tm	Method	TBLASTX:Maize
Start	14746	End	15054
GI	none	Score	188
Exons	14746..14889, 14799..14879, 14868..15032, 14869..15054		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o4.ts	Method	TBLASTX:Soybean
Start	14755	End	15045
GI	none	Score	295
Exons	14755..15045, 14799..14993		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o3.tw	Method	TBLASTX:Wheat
Start	17541	End	37048
GI	none	Score	59
Exons	17541..17789, 17653..17769, 17787..17882, 17788..17904, 17868..18023, 36945..36995, 36992..37048		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o4.tc	Method	TBLASTX:Cress
Start	17541	End	18122
GI	none	Score	52
Exons	17541..17882, 17788..17886, 17874..18053, 17875..18045, 18096..18122		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o3.ts	Method	TBLASTX:Soybean
Start	17619	End	18131
GI	none	Score	76
Exons	17619..17879, 17635..17754, 17797..17880, 17874..18053, 18102..18131		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o4.tm	Method	TBLASTX:Maize
Start	17619	End	18134
GI	none	Score	159
Exons	17619..17882, 17623..17883, 17874..18035, 18096..18134		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-

Start	38048	End	41828
Name	OJ000209_06.0317.C17.o6.tm	Method	TBLASTX:Maize
Start	34320	End	34571
GI	none	Score	180
Exons	34320..34481, 34322..34378, 34386..34415, 34515..34571, 34523..34555		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o2.tw	Method	TBLASTX:Wheat
Start	36829	End	41258
GI	none	Score	201
Exons	36829..36870, 36873..36929, 40850..41011, 40851..41015, 40935..41018, 41066..41251, 41100..41258		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o6.gs	Method	GENSCAN
Start	38048	End	38794
GI	none	Score	.62
Exons	38048..38156, 38616..38794		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o5.tm	Method	TBLASTX:Maize
Start	40806	End	41018
GI	none	Score	210
Exons	40806..41015, 40850..41011, 40932..41018		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o1.ts	Method	TBLASTX:Soybean
Start	40833	End	41828
GI	none	Score	237
Exons	40833..41087, 40850..41011, 41100..41828, 41102..41293, 41321..41827		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o1.tc	Method	TBLASTX:Cress
Start	40848	End	41435
GI	none	Score	199
Exons	40848..41015, 40850..41011, 41058..41087, 41100..41201, 41208..41435, 41225..41431		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o1.tm	Method	TBLASTX:Maize
Start	41102	End	41795
GI	none	Score	828
Exons	41102..41791, 41103..41795		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o5.tc	Method	TBLASTX:Cress
Start	41544	End	41810
GI	none	Score	119
Exons	41544..41666, 41555..41653, 41648..41803, 41661..41810		

Seq. No.	40425	Seq. ID	OJ000209_06.0317.C17
Gene No.	83683	Strand	-
Start	38048	End	41828
Name	OJ000209_06.0317.C17.o5.tw	Method	TBLASTX:Wheat
Start	41615	End	41807
GI	none	Score	211
Exons	41615..41806, 41616..41807		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o1.np	Method	AAT/NAP
Start	1	End	5020
GI	7406400	Score	724
Exons	1..29, 224..313, 595..658, 742..859, 1403..1493, 1732..1803, 1989..2078, 2197..2262, 2359..2431, 2914..2985, 3249..3349, 3453..3560, 3671..3940, 4880..5020		
GI Descrip.	(AL162873) putative protein [Arabidopsis thaliana]		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o1.gp	Method	AAT/GAP
Start	221	End	809
GI	31642_1.R1084	Score	455
Exons	221..367, 595..658, 742..809		
GI Descrip.	'1169942/sp|P45852|GLP1_MESCR 1.0e-19 GERMIN-LIKE PROTEIN PRECURSOR >gi_167258 (M93041) germin-like protein [Mesembryanthemum crystallinum] >gi_445592_prf__1909344A germin-like protein [Mesembryanthemum crystallinum]'		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o1.gs	Method	GENSCAN
Start	224	End	5063
GI	none	Score	.69
Exons	224..367, 595..658, 742..828, 1403..1545, 1738..1803, 1986..2078, 2197..2262, 2395..2431, 2914..2985, 3249..3349, 3453..3560, 3671..3871, 4768..5063		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	263	End	2987
GI	none	Score	141
Exons	263..376, 263..367, 265..384, 556..660, 569..658, 738..827,		

741..830, 742..858, 742..840, 1396..1548, 1397..1546,
1405..1548, 1731..1805, 1732..1806, 1738..1812, 1739..1813,
1980..2078, 1984..2079, 1986..2078, 2194..2271, 2197..2259,
2356..2394, 2356..2394, 2829..2867, 2910..2987, 2911..2985,
2913..2987

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o2.ts	Method	TBLASTX:Soybean
Start	1402	End	2432
GI	none	Score	39
Exons	1402..1440, 1460..1480, 1490..1546, 1495..1548, 1738..1809, 2010..2078, 2014..2103, 2014..2112, 2194..2271, 2201..2260, 2356..2385, 2361..2432		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o2.gp	Method	AAT/GAP
Start	2212	End	3363
GI	702393	Score	558
Exons	2212..2262, 2359..2431, 2914..2985, 3249..3363		
GI Descrip.	1652084/dbj|BAA17009| 6.0e-10 (D90902) hypothetical protein [Synechocystis sp.]		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o1.ts	Method	TBLASTX:Soybean
Start	3248	End	3560
GI	none	Score	75
Exons	3248..3367, 3249..3350, 3453..3560		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o1.tc	Method	TBLASTX:Cress
Start	3278	End	3866
GI	none	Score	101
Exons	3278..3337, 3453..3560, 3668..3865, 3669..3866		

Seq. No.	40426	Seq. ID	OJ000209_06.0317.C18
Gene No.	83684	Strand	-
Start	1	End	5063
Name	OJ000209_06.0317.C18.o2.tm	Method	TBLASTX:Maize
Start	3709	End	3901
GI	none	Score	41
Exons	3709..3738, 3710..3739, 3738..3869, 3743..3868, 3878..3901		

Seq. No.	40427	Seq. ID	OJ000209_06.0317.C19
Gene No.	83685	Strand	+
Start	1	End	1965
Name	OJ000209_06.0317.C19.o1.gp	Method	AAT/GAP
Start	1	End	1965
GI	3947_1.R1084	Score	1043
Exons	1..28, 163..298, 1476..1585, 1679..1965		

GI Descrip. '4895187/gb|AAD32774.1|AC007661_11 2.0e-21 (AC007661) unknown protein [Arabidopsis thaliana]'

Seq. No.	40427	Seq. ID	OJ000209_06.0317.C19
Gene No.	83685	Strand	+
Start	1	End	1965
Name	OJ000209_06.0317.C19.o1.np	Method	AAT/NAP
Start	1	End	1750
GI	6143864	Score	297
Exons	1..84, 161..298, 1476..1585, 1679..1750		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		

Seq. No.	40427	Seq. ID	OJ000209_06.0317.C19
Gene No.	83685	Strand	+
Start	1	End	1965
Name	OJ000209_06.0317.C19.o1.gs	Method	GENSCAN
Start	2	End	1585
GI	none	Score	.95
Exons	2..28, 163..298, 1476..1585		

Seq. No.	40427	Seq. ID	OJ000209_06.0317.C19
Gene No.	83685	Strand	+
Start	1	End	1965
Name	OJ000209_06.0317.C19.o1.tm	Method	TBLASTX:Maize
Start	231	End	1792
GI	none	Score	103
Exons	231..299, 232..300, 232..303, 1490..1591, 1492..1581, 1633..1788, 1676..1792		

Seq. No.	40428	Seq. ID	OJ000209_06.0317.C21
Gene No.	83686	Strand	+
Start	1	End	822
Name	OJ000209_06.0317.C21.o1.np	Method	AAT/NAP
Start	1	End	626
GI	3449041	Score	175
Exons	1..28, 198..380, 471..626		
GI Descrip.	(U73462) carbonic anhydrase [Arabidopsis thaliana]		

Seq. No.	40428	Seq. ID	OJ000209_06.0317.C21
Gene No.	83686	Strand	+
Start	1	End	822
Name	OJ000209_06.0317.C21.o1.gs	Method	GENSCAN
Start	192	End	822
GI	none	Score	.65
Exons	192..380, 471..572, 667..822		

Seq. No.	40429	Seq. ID	OJ000209_06.0317.C22
Gene No.	83687	Strand	+
Start	857	End	4585
Name	OJ000209_06.0317.C22.o1.gs	Method	GENSCAN
Start	857	End	4585
GI	none	Score	.58
Exons	857..1092, 2682..2924, 4265..4585		

Seq. No.	40430	Seq. ID	OJ000209_06.0317.C23
Gene No.	83688	Strand	+
Start	694	End	1982

Name	OJ000209_06.0317.C23.o1.gp	Method	AAT/GAP
Start	694	End	1534
GI	703000	Score	780
Exons	694..913, 1328..1534		

Seq. No.	40430	Seq. ID	OJ000209_06.0317.C23
Gene No.	83688	Strand	+
Start	694	End	1982
Name	OJ000209_06.0317.C23.o1.gs	Method	GENSCAN
Start	705	End	1982
GI	none	Score	.55
Exons	705..1216, 1261..1379, 1909..1982		

Seq. No.	40431	Seq. ID	OJ000209_06.0317.C24
Gene No.	83689	Strand	-
Start	1278	End	2565
Name	OJ000209_06.0317.C24.o1.gp	Method	AAT/GAP
Start	1278	End	1798
GI	none	Score	735
Exons	1278..1579, 1714..1798		

Seq. No.	40431	Seq. ID	OJ000209_06.0317.C24
Gene No.	83689	Strand	-
Start	1278	End	2565
Name	OJ000209_06.0317.C24.o1.np	Method	AAT/NAP
Start	1696	End	2565
GI	5106371	Score	111
Exons	1696..1814, 1894..1958, 2474..2565		
GI Descrip.	(AB029059) F1F0-ATPase inhibitor protein [Oryza sativa]		

Seq. No.	40431	Seq. ID	OJ000209_06.0317.C24
Gene No.	83689	Strand	-
Start	1278	End	2565
Name	OJ000209_06.0317.C24.o2.gp	Method	AAT/GAP
Start	1703	End	1993
GI	3107067	Score	314
Exons	1703..1809, 1898..1993		

Seq. No.	40431	Seq. ID	OJ000209_06.0317.C24
Gene No.	83689	Strand	-
Start	1278	End	2565
Name	OJ000209_06.0317.C24.o1.gs	Method	GENSCAN
Start	1714	End	2071
GI	none	Score	.88
Exons	1714..1809, 1898..2071		

Seq. No.	40431	Seq. ID	OJ000209_06.0317.C24
Gene No.	83690	Strand	-
Start	2674	End	2863
Name	OJ000209_06.0317.C24.o3.gp	Method	AAT/GAP
Start	2674	End	2863
GI	3732_1.R1084	Score	283
Exons	2674..2863		
GI Descrip.	'5262946/emb|CAB45873.1| 1.0e-139 (Y19104) beta-alanine synthase [Lycopersicon esculentum]'		

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25

Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o1.np	Method	AAT/NAP
Start	911	End	2631
GI	5262946	Score	780
Exons	911..1038, 1261..1352, 1455..1606, 1698..1744, 1837..1870, 1989..2155, 2290..2386, 2459..2631		
GI Descrip.	(Y19104) beta-alanine synthase [Lycopersicon esculentum]		

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25
Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o1.tm	Method	TBLASTX:Maize
Start	987	End	2478
GI	none	Score	84
Exons	987..1040, 988..1065, 1256..1345, 1256..1345, 1258..1353, 1261..1353, 1453..1608, 1453..1608, 1684..1761, 1697..1762, 1835..1873, 1836..1871, 1836..1874, 1970..2155, 1984..2157, 1985..2152, 1989..2156, 1990..2172, 2289..2387, 2289..2387, 2290..2388, 2296..2388, 2454..2477, 2455..2478, 2455..2478		

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25
Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o1.gp	Method	AAT/GAP
Start	988	End	2386
GI	3732_1.R1084	Score	1124
Exons	988..1038, 1261..1352, 1455..1606, 1698..1744, 1837..1870, 1989..2155, 2290..2386		
GI Descrip.	'5262946/emb|CAB45873.1| 1.0e-139 (Y19104) beta-alanine synthase [Lycopersicon esculentum]'		

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25
Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o1.tc	Method	TBLASTX:Cress
Start	988	End	1608
GI	none	Score	85
Exons	988..1065, 1258..1329, 1261..1353, 1269..1352, 1453..1608, 1482..1607		

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25
Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o1.ts	Method	TBLASTX:Soybean
Start	988	End	1747
GI	none	Score	77
Exons	988..1065, 1261..1353, 1453..1608, 1482..1607, 1684..1746, 1697..1747		

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25
Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o1.gs	Method	GENSCAN
Start	990	End	2155
GI	none	Score	.98
Exons	990..1038, 1261..1352, 1455..1606, 1698..1744, 1837..1870,		

1989..2155

Seq. No.	40432	Seq. ID	OJ000209_06.0317.C25
Gene No.	83691	Strand	+
Start	911	End	2631
Name	OJ000209_06.0317.C25.o2.ts	Method	TBLASTX:Soybean
Start	1984	End	2478
GI	none	Score	280
Exons	1984..2157, 1985..2152, 1988..2161, 2116..2172, 2288..2386, 2289..2387, 2289..2387, 2290..2388, 2454..2477, 2455..2478		

Seq. No.	40433	Seq. ID	OJ000209_02.0314.C3
Gene No.	83692	Strand	-
Start	382	End	744
Name	OJ000209_02.0314.C3.o1.gs	Method	GENSCAN
Start	382	End	744
GI	none	Score	.51
Exons	382..744		

Seq. No.	40434	Seq. ID	OJ000209_02.0314.C4
Gene No.	83693	Strand	+
Start	63	End	1055
Name	OJ000209_02.0314.C4.o1.gs	Method	GENSCAN
Start	63	End	1023
GI	none	Score	.9
Exons	63..191, 421..1023		

Seq. No.	40434	Seq. ID	OJ000209_02.0314.C4
Gene No.	83693	Strand	+
Start	63	End	1055
Name	OJ000209_02.0314.C4.o1.tm	Method	TBLASTX:Maize
Start	121	End	1055
GI	none	Score	70
Exons	121..198, 126..191, 413..604, 417..566, 455..577, 457..585, 572..721, 574..723, 574..723, 576..725, 719..841, 720..845, 730..867, 736..867, 860..916, 862..930, 867..944, 1017..1055		

Seq. No.	40435	Seq. ID	OJ000209_02.0314.C6
Gene No.	83694	Strand	+
Start	316	End	1725
Name	OJ000209_02.0314.C6.o1.gp	Method	AAT/GAP
Start	316	End	678
GI	none	Score	684
Exons	316..678		

Seq. No.	40435	Seq. ID	OJ000209_02.0314.C6
Gene No.	83694	Strand	+
Start	316	End	1725
Name	OJ000209_02.0314.C6.o1.gs	Method	GENSCAN
Start	470	End	1725
GI	none	Score	.66
Exons	470..845, 1606..1725		

Seq. No.	40435	Seq. ID	OJ000209_02.0314.C6
Gene No.	83694	Strand	+
Start	316	End	1725
Name	OJ000209_02.0314.C6.o1.np	Method	AAT/NAP

Start	491	End	1229
GI	3885343	Score	192
Exons	491..844, 1121..1229		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40435	Seq. ID	OJ000209_02.0314.C6
Gene No.	83694	Strand	+
Start	316	End	1725
Name	OJ000209_02.0314.C6.o1.tm	Method	TBLASTX:Maize
Start	598	End	790
GI	none	Score	118
Exons	598..702, 601..789, 602..790		

Seq. No.	40435	Seq. ID	OJ000209_02.0314.C6
Gene No.	83694	Strand	+
Start	316	End	1725
Name	OJ000209_02.0314.C6.o1.ts	Method	TBLASTX:Soybean
Start	601	End	844
GI	none	Score	183
Exons	601..669, 602..742, 740..844		

Seq. No.	40436	Seq. ID	OJ000209_02.0314.C7
Gene No.	83695	Strand	+
Start	133	End	239
Name	OJ000209_02.0314.C7.o1.gs	Method	GENSCAN
Start	133	End	239
GI	none	Score	.8
Exons	133..239		

Seq. No.	40437	Seq. ID	OJ000209_02.0314.C8
Gene No.	83696	Strand	-
Start	1	End	1528
Name	OJ000209_02.0314.C8.o1.np	Method	AAT/NAP
Start	1	End	1528
GI	7523406	Score	490
Exons	1..191, 281..474, 547..994, 1022..1177, 1486..1528		
GI Descrip.	(AL138648) inositol-1, 4, 5-trisphosphate 5-Phosphatase-like protein [Arabidopsis thaliana]		

Seq. No.	40437	Seq. ID	OJ000209_02.0314.C8
Gene No.	83696	Strand	-
Start	1	End	1528
Name	OJ000209_02.0314.C8.o2.tm	Method	TBLASTX:Maize
Start	80	End	433
GI	none	Score	42
Exons	80..190, 87..185, 280..432, 287..433		

Seq. No.	40437	Seq. ID	OJ000209_02.0314.C8
Gene No.	83696	Strand	-
Start	1	End	1528
Name	OJ000209_02.0314.C8.o1.gs	Method	GENSCAN
Start	83	End	1177
GI	none	Score	.83
Exons	83..191, 281..474, 547..1177		

Seq. No.	40437	Seq. ID	OJ000209_02.0314.C8
Gene No.	83696	Strand	-

Start	1	End	1528
Name	OJ000209_02.0314.C8.o1.tc	Method	TBLASTX:Cress
Start	125	End	684
GI	none	Score	54
Exons	125..187, 131..190, 280..444, 547..684, 548..682	281..445, 282..446, 547..663,	

Seq. No.	40437	Seq. ID	OJ000209_02.0314.C8
Gene No.	83696	Strand	-
Start	1	End	1528
Name	OJ000209_02.0314.C8.o1.ts	Method	TBLASTX:Soybean
Start	131	End	684
GI	none	Score	140
Exons	131..190, 280..477, 338..475,	547..681, 547..684	

Seq. No.	40437	Seq. ID	OJ000209_02.0314.C8
Gene No.	83696	Strand	-
Start	1	End	1528
Name	OJ000209_02.0314.C8.o1.tm	Method	TBLASTX:Maize
Start	434	End	915
GI	none	Score	66
Exons	434..475, 434..475, 436..486, 548..697, 702..911, 767..913,	436..477, 545..697, 547..711, 793..912, 802..915, 803..913	

Seq. No.	40438	Seq. ID	OJ000209_02.0314.C9
Gene No.	83697	Strand	-
Start	1	End	1698
Name	OJ000209_02.0314.C9.o1.np	Method	AAT/NAP
Start	1	End	1698
GI	7484956	Score	101
Exons	1..21, 885..1557, 1675..1698		
GI Descrip.	extensin homolog F24O1.18 - Arabidopsis thaliana gi|2781362|gb|AAB96863.1| (AC003113) F24O1.18 [Arabidopsis thaliana] gi|5454187|gb|AAD43602.1|AC005698_1 (AC005698) T3P18.1 [Arabidopsis thaliana]		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o1.np	Method	AAT/NAP
Start	1	End	2104
GI	3461822	Score	1078
Exons	1..800, 1280..2104		
GI Descrip.	(AC004138) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o1.gs	Method	GENSCAN
Start	81	End	2451
GI	none	Score	.5
Exons	81..521, 1643..1963, 2347..2451		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o2.tc	Method	TBLASTX:Cress

Start	150	End	1460
GI	none	Score	108
Exons	150..395, 171..395, 398..796, 399..794, 486..554, 507..788, 663..788, 672..788, 1279..1362, 1280..1372, 1380..1460		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o3.tm	Method	TBLASTX:Maize
Start	177	End	806
GI	none	Score	86
Exons	177..383, 288..383, 362..724, 396..716, 411..497, 594..788, 630..806, 650..787, 693..740		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o1.tw	Method	TBLASTX:Wheat
Start	198	End	1483
GI	none	Score	101
Exons	198..389, 395..568, 399..572, 462..806, 479..799, 1262..1483, 1280..1378, 1285..1371		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o3.ts	Method	TBLASTX:Soybean
Start	201	End	806
GI	none	Score	54
Exons	201..302, 315..392, 399..611, 621..770, 626..766, 636..773, 702..806		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o2.ts	Method	TBLASTX:Soybean
Start	1289	End	1738
GI	none	Score	83
Exons	1289..1378, 1358..1738		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o1.tm	Method	TBLASTX:Maize
Start	1345	End	1602
GI	none	Score	360
Exons	1345..1602, 1346..1600, 1357..1602		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o1.tc	Method	TBLASTX:Cress
Start	1574	End	2119
GI	none	Score	415
Exons	1574..2107, 1859..2119, 1956..2108		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10

Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o2.tm	Method	TBLASTX:Maize
Start	1697	End	2107
GI	none	Score	318
Exons	1697..2107, 1705..1938, 1960..2001		

Seq. No.	40439	Seq. ID	OJ000209_02.0314.C10
Gene No.	83698	Strand	+
Start	1	End	2451
Name	OJ000209_02.0314.C10.o1.ts	Method	TBLASTX:Soybean
Start	1739	End	2107
GI	none	Score	338
Exons	1739..2107, 1833..1904, 1897..2106		

Seq. No.	40440	Seq. ID	OJ000209_02.0314.C11
Gene No.	83699	Strand	+
Start	1	End	442
Name	OJ000209_02.0314.C11.o1.gp	Method	AAT/GAP
Start	1	End	442
GI	none	Score	862
Exons	1..442		

Seq. No.	40440	Seq. ID	OJ000209_02.0314.C11
Gene No.	83700	Strand	-
Start	203	End	1472
Name	OJ000209_02.0314.C11.o1.tm	Method	TBLASTX:Maize
Start	195	End	1472
GI	none	Score	169
Exons	195..398, 207..398, 209..439, 460..552, 627..653, 743..928, 776..928, 1325..1402, 1327..1401, 1413..1472, 1418..1459		

Seq. No.	40440	Seq. ID	OJ000209_02.0314.C11
Gene No.	83700	Strand	-
Start	203	End	1472
Name	OJ000209_02.0314.C11.o1.gs	Method	GENSCAN
Start	203	End	1444
GI	none	Score	.91
Exons	203..922, 1326..1444		

Seq. No.	40440	Seq. ID	OJ000209_02.0314.C11
Gene No.	83700	Strand	-
Start	203	End	1472
Name	OJ000209_02.0314.C11.o1.tw	Method	TBLASTX:Wheat
Start	329	End	917
GI	none	Score	172
Exons	329..460, 464..580, 615..653, 616..882, 629..892, 762..905, 773..916, 789..917		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83701	Strand	-
Start	85	End	587
Name	OJ000209_02.0314.C12.o1.gp	Method	AAT/GAP
Start	85	End	587
GI	none	Score	256
Exons	85..107, 421..587		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83702	Strand	-
Start	570	End	4541
Name	OJ000209_02.0314.C12.o1.np	Method	AAT/NAP
Start	570	End	4541
GI	7485985	Score	342
Exons	570..623, 2686..2829, 4025..4209, 4305..4541		
GI Descrip.	hypothetical protein F22O13.20 - Arabidopsis thaliana gi|3063458|gb|AAC14046.1| (AC003981) F22O13.20 [Arabidopsis thaliana]		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83702	Strand	-
Start	570	End	4541
Name	OJ000209_02.0314.C12.o2.gp	Method	AAT/GAP
Start	726	End	1038
GI	3107358	Score	574
Exons	726..1038		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83702	Strand	-
Start	570	End	4541
Name	OJ000209_02.0314.C12.o2.gs	Method	GENSCAN
Start	2392	End	4541
GI	none	Score	.86
Exons	2392..2402, 2702..2829, 4025..4198, 4276..4541		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83703	Strand	-
Start	5588	End	7663
Name	OJ000209_02.0314.C12.o3.gp	Method	AAT/GAP
Start	5490	End	5838
GI	none	Score	694
Exons	5490..5838		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83703	Strand	-
Start	5588	End	7663
Name	OJ000209_02.0314.C12.o3.gs	Method	GENSCAN
Start	5588	End	7597
GI	none	Score	.72
Exons	5588..5692, 6110..6190, 6552..6611, 6711..6760, 6873..6924, 7577..7597		

Seq. No.	40441	Seq. ID	OJ000209_02.0314.C12
Gene No.	83703	Strand	-
Start	5588	End	7663
Name	OJ000209_02.0314.C12.o2.np	Method	AAT/NAP
Start	5914	End	7663
GI	2281780	Score	335
Exons	5914..5997, 6110..6190, 6552..6598, 6698..6760, 6873..6924, 7577..7663		
GI Descrip.	(AB003041) O-acetylserine (thiol) lyase [Arabidopsis thaliana] gi|6091759|gb|AAF03469.1|AC009327_8 (AC009327) O-acetylserine (thiol) lyase [Arabidopsis thaliana]		

Seq. No.	40442	Seq. ID	OJ000209_02.0314.C13

Gene No.	83704	Strand	+
Start	805	End	929
Name	OJ000209_02.0314.C13.o1.gs	Method	GENSCAN
Start	805	End	929
GI	none	Score	.61
Exons	805..929		

Seq. No.	40442	Seq. ID	OJ000209_02.0314.C13
Gene No.	83705	Strand	-
Start	515	End	1355
Name	OJ000209_02.0314.C13.o1.gp	Method	AAT/GAP
Start	515	End	1104
GI	19579_1.R1084	Score	885
Exons	515..903, 1015..1104		
GI Descrip.	'3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]'		

Seq. No.	40442	Seq. ID	OJ000209_02.0314.C13
Gene No.	83705	Strand	-
Start	515	End	1355
Name	OJ000209_02.0314.C13.o1.tm	Method	TBLASTX:Maize
Start	678	End	1152
GI	none	Score	46
Exons	678..737, 769..906, 809..904, 850..918, 1012..1152, 1016..1102		

Seq. No.	40442	Seq. ID	OJ000209_02.0314.C13
Gene No.	83705	Strand	-
Start	515	End	1355
Name	OJ000209_02.0314.C13.o1.ts	Method	TBLASTX:Soybean
Start	794	End	1116
GI	none	Score	137
Exons	794..904, 811..906, 815..904, 1012..1116, 1019..1102		

Seq. No.	40442	Seq. ID	OJ000209_02.0314.C13
Gene No.	83705	Strand	-
Start	515	End	1355
Name	OJ000209_02.0314.C13.o1.tc	Method	TBLASTX:Cress
Start	807	End	1152
GI	none	Score	63
Exons	807..878, 808..906, 812..919, 815..904, 1012..1152, 1016..1102		

Seq. No.	40442	Seq. ID	OJ000209_02.0314.C13
Gene No.	83705	Strand	-
Start	515	End	1355
Name	OJ000209_02.0314.C13.o1.np	Method	AAT/NAP
Start	814	End	1355
GI	4336205	Score	246
Exons	814..903, 1015..1143, 1320..1355		
GI Descrip.	(AF077372) cytochrome b5 reductase [Zea mays]		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.np	Method	AAT/NAP
Start	1	End	1140
GI	4336205	Score	299
Exons	1..38, 576..665, 767..847, 1048..1140		
GI Descrip.	(AF077372) cytochrome b5 reductase [Zea mays]		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.tc	Method	TBLASTX:Cress
Start	565	End	1136
GI	none	Score	109
Exons	565..666, 570..668, 748..810, 764..847, 765..848, 765..848, 1048..1080, 1077..1136		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.tm	Method	TBLASTX:Maize
Start	565	End	1136
GI	none	Score	116
Exons	565..666, 570..668, 574..672, 576..668, 764..847, 765..848, 765..848, 766..849, 1039..1083, 1046..1081, 1077..1136, 1081..1125		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.tw	Method	TBLASTX:Wheat
Start	565	End	1136
GI	none	Score	119
Exons	565..666, 570..668, 576..668, 764..847, 765..848, 1039..1083, 1040..1081, 1047..1088, 1048..1083, 1077..1136, 1081..1131		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.ts	Method	TBLASTX:Soybean
Start	565	End	1136
GI	none	Score	100
Exons	565..666, 570..668, 764..847, 765..848, 1039..1080, 1040..1081, 1048..1080, 1077..1136, 1083..1130, 1084..1131		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.gp	Method	AAT/GAP
Start	570	End	1103
GI	19579_1.R1084	Score	315
Exons	570..665, 767..847, 1048..1103		
GI Descrip.	'3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]'		

Seq. No.	40443	Seq. ID	OJ000209_02.0314.C14
Gene No.	83706	Strand	-
Start	1	End	1140
Name	OJ000209_02.0314.C14.o1.gs	Method	GENSCAN
Start	576	End	847
GI	none	Score	81
Exons	576..665, 767..847		

Seq. No.	40444	Seq. ID	OJ000209_02.0314.C16
Gene No.	83707	Strand	+

Start	1	End	1152
Name	OJ000209_02.0314.C16.o1.np	Method	AAT/NAP
Start	1	End	980
GI	91208	Score	144
Exons	1..26, 272..980		
GI Descrip.	proline-rich protein M14 precursor - mouse gi|567232|gb|AAA53048.1| (M23236) proline-rich protein [Mus musculus]		

Seq. No.	40444	Seq. ID	OJ000209_02.0314.C16
Gene No.	83707	Strand	+
Start	1	End	1152
Name	OJ000209_02.0314.C16.o1.gs	Method	GENSCAN
Start	235	End	1152
GI	none	Score	.53
Exons	235..360, 415..598, 738..961, 1065..1152		

Seq. No.	40444	Seq. ID	OJ000209_02.0314.C16
Gene No.	83708	Strand	+
Start	1195	End	1631
Name	OJ000209_02.0314.C16.o2.np	Method	AAT/NAP
Start	1195	End	1631
GI	7340884	Score	86
Exons	1195..1339, 1585..1631		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	40444	Seq. ID	OJ000209_02.0314.C16
Gene No.	83709	Strand	+
Start	1587	End	2138
Name	OJ000209_02.0314.C16.o3.np	Method	AAT/NAP
Start	1587	End	2138
GI	7228441	Score	87
Exons	1587..1742, 2112..2138		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40445	Seq. ID	OJ000209_02.0314.C17
Gene No.	83710	Strand	+
Start	793	End	988
Name	OJ000209_02.0314.C17.o1.gs	Method	GENSCAN
Start	793	End	988
GI	none	Score	.86
Exons	793..801, 926..988		

Seq. No.	40446	Seq. ID	OJ000209_02.0314.C18
Gene No.	83711	Strand	+
Start	342	End	4869
Name	OJ000209_02.0314.C18.o1.gs	Method	GENSCAN
Start	342	End	4869
GI	none	Score	.6
Exons	342..402, 557..904, 1472..1558, 4660..4869		

Seq. No.	40447	Seq. ID	OJ000209_02.0314.C19
Gene No.	83712	Strand	+
Start	207	End	2244
Name	OJ000209_02.0314.C19.o1.gs	Method	GENSCAN
Start	207	End	1218

GI	none	Score	.68
Exons	207..319, 519..568, 908..982, 1139..1218		

Seq. No.	40447	Seq. ID	OJ000209_02.0314.C19
Gene No.	83712	Strand	+
Start	207	End	2244
Name	OJ000209_02.0314.C19.o1.np	Method	AAT/NAP
Start	815	End	2244
GI	5852084	Score	65
Exons	815..863, 2129..2244		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	40447	Seq. ID	OJ000209_02.0314.C19
Gene No.	83713	Strand	-
Start	1728	End	1875
Name	OJ000209_02.0314.C19.o2.gs	Method	GENSCAN
Start	1728	End	1875
GI	none	Score	.92
Exons	1728..1875		

Seq. No.	40448	Seq. ID	OJ000209_02.0314.C20
Gene No.	83714	Strand	+
Start	572	End	998
Name	OJ000209_02.0314.C20.o1.gp	Method	AAT/GAP
Start	572	End	998
GI	none	Score	826
Exons	572..998		

Seq. No.	40448	Seq. ID	OJ000209_02.0314.C20
Gene No.	83715	Strand	-
Start	916	End	2079
Name	OJ000209_02.0314.C20.o1.np	Method	AAT/NAP
Start	910	End	1771
GI	6522534	Score	80
Exons	910..1015, 1635..1771		
GI Descrip.	(AL132955) putative protein [Arabidopsis thaliana]		

Seq. No.	40448	Seq. ID	OJ000209_02.0314.C20
Gene No.	83715	Strand	-
Start	916	End	2079
Name	OJ000209_02.0314.C20.o1.gs	Method	GENSCAN
Start	916	End	2079
GI	none	Score	.87
Exons	916..1044, 1805..1863, 1974..2079		

Seq. No.	40449	Seq. ID	OJ000209_02.0314.C21
Gene No.	83716	Strand	+
Start	2059	End	2577
Name	OJ000209_02.0314.C21.o2.gs	Method	GENSCAN
Start	2059	End	2577
GI	none	Score	.99
Exons	2059..2577		

Seq. No.	40449	Seq. ID	OJ000209_02.0314.C21
Gene No.	83717	Strand	-
Start	1	End	138
Name	OJ000209_02.0314.C21.o1.gp	Method	AAT/GAP

Start	1	End	138
GI	none	Score	245
Exons	1..138		

Seq. No.	40450	Seq. ID	OJ000209_02.0314.C22
Gene No.	83718	Strand	+
Start	115	End	2448
Name	OJ000209_02.0314.C22.o1.gs	Method	GENSCAN
Start	115	End	2448
GI	none	Score	.62
Exons	115..297, 717..815, 909..1597, 1660..2448		

Seq. No.	40450	Seq. ID	OJ000209_02.0314.C22
Gene No.	83718	Strand	+
Start	115	End	2448
Name	OJ000209_02.0314.C22.o1.tc	Method	TBLASTX:Cress
Start	715	End	1721
GI	none	Score	66
Exons	715..780, 903..968, 904..1074, 1027..1116, 1042..1116, 1156..1245, 1160..1258, 1632..1721		

Seq. No.	40450	Seq. ID	OJ000209_02.0314.C22
Gene No.	83718	Strand	+
Start	115	End	2448
Name	OJ000209_02.0314.C22.o1.tm	Method	TBLASTX:Maize
Start	1057	End	2144
GI	none	Score	122
Exons	1057..1221, 1096..1209, 1528..1563, 1593..1880, 1593..1871, 1594..1890, 1595..1879, 1962..2024, 2064..2144		

Seq. No.	40450	Seq. ID	OJ000209_02.0314.C22
Gene No.	83718	Strand	+
Start	115	End	2448
Name	OJ000209_02.0314.C22.o1.gp	Method	AAT/GAP
Start	1674	End	2140
GI	none	Score	882
Exons	1674..2140		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83719	Strand	+
Start	241	End	2029
Name	OJ000209_02.0314.C23.o1.gp	Method	AAT/GAP
Start	241	End	2029
GI	16970_3.R1084	Score	1331
Exons	241..291, 404..479, 572..673, 1148..1296, 1655..2029		
GI Descrip.	'1710521/sp|P50888|RL24_HORVU 3.0e-59 60S RIBOSOMAL PROTEIN L24 >gi_1154859_emb_CAA63960_ (X94296) L24 ribosomal protein [Hordeum vulgare]'		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83719	Strand	+
Start	241	End	2029
Name	OJ000209_02.0314.C23.o1.gs	Method	GENSCAN
Start	281	End	1805
GI	none	Score	.97
Exons	281..291, 404..479, 572..673, 1148..1296, 1655..1805		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o2.tw	Method	TBLASTX:Wheat
Start	209	End	1213
GI	none	Score	50
Exons	209..292, 243..293, 245..292, 547..675, 547..654, 551..658, 1146..1211, 1148..1213	402..497, 404..490, 411..491, 558..710, 569..682, 1144..1212,	

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o2.tm	Method	TBLASTX:Maize
Start	241	End	1303
GI	none	Score	36
Exons	241..291, 360..392, 402..497, 568..675, 569..682, 571..654, 1147..1293, 1148..1303	404..490, 410..517, 524..592, 1144..1260, 1146..1292,	

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o2.tc	Method	TBLASTX:Cress
Start	401	End	1303
GI	none	Score	142
Exons	401..529, 402..497, 547..654,	569..673, 1145..1303, 1148..1303	

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o2.ts	Method	TBLASTX:Soybean
Start	401	End	1303
GI	none	Score	136
Exons	401..487, 402..497, 569..673, 1148..1303	571..654, 1144..1260, 1145..1303,	

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o1.np	Method	AAT/NAP
Start	1269	End	4405
GI	3582328	Score	1051
Exons	1269..1309, 2654..4405		
GI Descrip.	(AC005496) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o2.gs	Method	GENSCAN
Start	2645	End	4345
GI	none	Score	.99
Exons	2645..4345		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405

Name	OJ000209_02.0314.C23.o1.ts	Method	TBLASTX:Soybean
Start	2654	End	3082
GI	none	Score	71
Exons	2654..3082, 2787..2960, 2870..2974		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o1.tm	Method	TBLASTX:Maize
Start	2669	End	4240
GI	none	Score	115
Exons	2669..3400, 2796..2984, 2825..3133, 3074..3508, 3078..3272, 3098..3490, 3321..3416, 3326..3574, 3410..3574, 3413..3577, 3506..3673, 3710..4132, 3740..4150, 3777..3953, 3809..4183, 4001..4237, 4076..4240		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o1.tc	Method	TBLASTX:Cress
Start	2882	End	4231
GI	none	Score	53
Exons	2882..2983, 2963..3091, 2987..3091, 3056..3217, 3101..3529, 3101..3682, 3149..3391, 3228..3248, 3344..3412, 3557..3925, 3794..4090, 3800..4228, 4121..4231		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o1.tw	Method	TBLASTX:Wheat
Start	2963	End	4135
GI	none	Score	156
Exons	2963..3436, 3026..3139, 3110..3418, 3300..3437, 3326..3586, 3491..3829, 3749..4135		

Seq. No.	40451	Seq. ID	OJ000209_02.0314.C23
Gene No.	83720	Strand	-
Start	1269	End	4405
Name	OJ000209_02.0314.C23.o3.ts	Method	TBLASTX:Soybean
Start	3107	End	4240
GI	none	Score	92
Exons	3107..3247, 3167..3541, 3212..3526, 3459..3551, 3704..3943, 3866..4093, 4121..4240		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83721	Strand	+
Start	1951	End	4500
Name	OJ000209_02.0314.C24.o2.gs	Method	GENSCAN
Start	1951	End	4500
GI	none	Score	.64
Exons	1951..3492, 4097..4201, 4444..4500		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83721	Strand	+
Start	1951	End	4500
Name	OJ000209_02.0314.C24.o1.gp	Method	AAT/GAP
Start	2789	End	3308

GI	uC-osflm202111g11b1	Score	1016
Exons	2789..3308		
GI Descrip.	'5454208/gb|AAD43623.1|AC005698_22 7.0e-21 (AC005698) T3P18.22 [Arabidopsis thaliana]'		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83722	Strand	-
Start	169	End	1578
Name	OJ000209_02.0314.C24.o1.gs	Method	GENSCAN
Start	169	End	1578
GI	none	Score	.93
Exons	169..1578		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83722	Strand	-
Start	169	End	1578
Name	OJ000209_02.0314.C24.o1.np	Method	AAT/NAP
Start	181	End	1407
GI	3249111	Score	834
Exons	181..1407		
GI Descrip.	(AC003114) T12M4.7 [Arabidopsis thaliana]		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o2.tm	Method	TBLASTX:Maize
Start	181	End	3024
GI	none	Score	186
Exons	181..738, 182..712, 592..732, 626..730, 724..990, 727..930, 779..991, 910..1104, 931..1104, 1036..1335, 1036..1293, 1036..1293, 2800..3024, 2803..2991		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o4.tc	Method	TBLASTX:Cress
Start	184	End	511
GI	none	Score	65
Exons	184..510, 350..511		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o2.ts	Method	TBLASTX:Soybean
Start	400	End	2997
GI	none	Score	62
Exons	400..789, 1036..1131, 1036..1131, 1112..1195, 2797..2997		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o2.tw	Method	TBLASTX:Wheat
Start	490	End	1293
GI	none	Score	92
Exons	490..738, 553..663, 733..966, 947..1198, 979..1293		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24

Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o2.tc	Method	TBLASTX:Cress
Start	514	End	1452
GI	none	Score	43
Exons	514..630, 553..759, 554..727, 637..738, 724..825, 724..900, 733..1317, 770..829, 911..1171, 940..1095, 940..1098, 1001..1228, 1036..1293, 1342..1452		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o1.tw	Method	TBLASTX:Wheat
Start	2618	End	5990
GI	none	Score	47
Exons	2618..2767, 5566..5586, 5585..5617, 5586..5612, 5733..5849, 5735..5869, 5852..5989, 5853..5990		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o3.tc	Method	TBLASTX:Cress
Start	2755	End	3354
GI	none	Score	289
Exons	2755..3333, 2769..3257, 3178..3321, 3187..3354		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o2.gp	Method	AAT/GAP
Start	4918	End	5500
GI	none	Score	1103
Exons	4918..5500		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o3.gs	Method	GENSCAN
Start	5143	End	7838
GI	none	Score	.83
Exons	5143..5610, 5711..5997, 6096..6534, 7701..7838		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o2.np	Method	AAT/NAP
Start	5146	End	6291
GI	6730938	Score	1666
Exons	5146..5610, 5711..5997, 6096..6291		
GI Descrip.	(AB028183) OsNAC4 protein [Oryza sativa]		

Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o1.ts	Method	TBLASTX:Soybean
Start	5548	End	6246
GI	none	Score	35

Exons	5548..5616, 5588..5617, 5738..5863, 5742..5864, 5867..5992, 5868..6011, 6092..6238, 6094..6246		
Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o1.tc	Method	TBLASTX:Cress
Start	5563	End	6229
GI	none	Score	39
Exons	5563..5616, 5582..5617, 5738..5863, 5742..5864, 5867..5998, 5871..5999, 6092..6229, 6097..6228		
Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o1.tm	Method	TBLASTX:Maize
Start	5572	End	6294
GI	none	Score	130
Exons	5572..5616, 5738..5863, 5742..5864, 5867..5992, 5868..5993, 6097..6294, 6098..6235, 6100..6243		
Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o3.gp	Method	AAT/GAP
Start	5822	End	6402
GI	26933_1.R1084	Score	848
Exons	5822..5997, 6096..6402		
GI Descrip.	'4218535/emb|CAA09371.1| 2.0e-42 (AJ010829) GRAB1 protein [Triticum sp.]'		
Seq. No.	40452	Seq. ID	OJ000209_02.0314.C24
Gene No.	83723	Strand	-
Start	5143	End	7838
Name	OJ000209_02.0314.C24.o3.tw	Method	TBLASTX:Wheat
Start	6097	End	6261
GI	none	Score	163
Exons	6097..6261, 6098..6238, 6100..6243		
Seq. No.	40453	Seq. ID	OJ000209_02.0314.C25
Gene No.	83724	Strand	+
Start	92	End	1144
Name	OJ000209_02.0314.C25.o1.gs	Method	GENSCAN
Start	92	End	1144
GI	none	Score	.64
Exons	92..163, 862..949, 1029..1144		
Seq. No.	40453	Seq. ID	OJ000209_02.0314.C25
Gene No.	83725	Strand	-
Start	847	End	1329
Name	OJ000209_02.0314.C25.o1.np	Method	AAT/NAP
Start	847	End	1329
GI	6539585	Score	115
Exons	847..925, 1169..1329		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	40454	Seq. ID	OJ000209_02.0314.C27

Gene No.	83726	Strand	-
Start	511	End	2270
Name	OJ000209_02.0314.C27.o1.tm	Method	TBLASTX:Maize
Start	224	End	2005
GI	none	Score	38
Exons	224..256, 224..256, 294..425, 296..331, 334..441, 437..481, 439..480, 508..648, 510..650, 515..649, 520..651, 587..691, 631..708, 697..750, 697..756, 698..754, 711..779, 836..871, 837..863, 884..919, 893..979, 894..980, 897..1091, 898..1083, 898..1092, 968..1093, 1055..1105, 1155..1238, 1156..1251, 1161..1238, 1162..1245, 1512..1610, 1513..1614, 1513..1611, 1703..1831, 1714..1836, 1714..1830, 1716..1847, 1911..1997, 1912..1995, 1912..2004, 1916..2005		

Seq. No.	40454	Seq. ID	OJ000209_02.0314.C27
Gene No.	83726	Strand	-
Start	511	End	2270
Name	OJ000209_02.0314.C27.o1.gp	Method	AAT/GAP
Start	269	End	715
GI	none	Score	858
Exons	269..715		

Seq. No.	40454	Seq. ID	OJ000209_02.0314.C27
Gene No.	83726	Strand	-
Start	511	End	2270
Name	OJ000209_02.0314.C27.o1.gs	Method	GENSCAN
Start	511	End	1974
GI	none	Score	.69
Exons	511..752, 904..1081, 1515..1610, 1714..1830, 1912..1974		

Seq. No.	40454	Seq. ID	OJ000209_02.0314.C27
Gene No.	83726	Strand	-
Start	511	End	2270
Name	OJ000209_02.0314.C27.o1.np	Method	AAT/NAP
Start	514	End	2270
GI	4263790	Score	579
Exons	514..755, 900..1081, 1165..1236, 1515..1610, 1714..1830, 1912..2270		
GI Descrip.	(AC006068) putative microtubule-associated protein [Arabidopsis thaliana]		

Seq. No.	40454	Seq. ID	OJ000209_02.0314.C27
Gene No.	83726	Strand	-
Start	511	End	2270
Name	OJ000209_02.0314.C27.o1.ts	Method	TBLASTX:Soybean
Start	1186	End	1831
GI	none	Score	58
Exons	1186..1239, 1186..1245, 1512..1538, 1515..1610, 1538..1612, 1543..1614, 1703..1831, 1714..1830		

Seq. No.	40455	Seq. ID	OJ000209_02.0314.C28
Gene No.	83727	Strand	-
Start	24	End	1573
Name	OJ000209_02.0314.C28.o1.tm	Method	TBLASTX:Maize
Start	7	End	1196
GI	none	Score	76
Exons	7..123, 39..122, 203..265, 347..433, 351..434, 1125..1196,		

1139..1195

Seq. No.	40455	Seq. ID	OJ000209_02.0314.C28
Gene No.	83727	Strand	-
Start	24	End	1573
Name	OJ000209_02.0314.C28.o1.gs	Method	GENSCAN
Start	24	End	1573
GI	none	Score	.61
Exons	24..120, 256..310, 1134..1195, 1536..1573		

Seq. No.	40455	Seq. ID	OJ000209_02.0314.C28
Gene No.	83727	Strand	-
Start	24	End	1573
Name	OJ000209_02.0314.C28.o1.ts	Method	TBLASTX:Soybean
Start	24	End	1200
GI	none	Score	85
Exons	24..122, 31..123, 194..265, 203..265, 327..428, 347..433, 348..434, 1121..1192, 1125..1196, 1135..1200, 1135..1191, 1136..1195		

Seq. No.	40455	Seq. ID	OJ000209_02.0314.C28
Gene No.	83727	Strand	-
Start	24	End	1573
Name	OJ000209_02.0314.C28.o1.np	Method	AAT/NAP
Start	194	End	1431
GI	7485983	Score	227
Exons	194..262, 347..434, 1134..1195, 1337..1431		
GI Descrip.	hypothetical protein F22O13.17 - Arabidopsis thaliana gi|3063455|gb|AAC14043.1| (AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	40455	Seq. ID	OJ000209_02.0314.C28
Gene No.	83727	Strand	-
Start	24	End	1573
Name	OJ000209_02.0314.C28.o1.gp	Method	AAT/GAP
Start	1134	End	1398
GI	4715792	Score	110
Exons	1134..1195, 1375..1398		
GI Descrip.	3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o1.gs	Method	GENSCAN
Start	245	End	4167
GI	none	Score	.6
Exons	245..293, 628..714, 983..1278, 1382..1445, 1745..1803, 2227..2302, 2953..3040, 3200..3422, 4113..4167		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o1.np	Method	AAT/NAP
Start	1144	End	4262
GI	6056418	Score	671
Exons	1144..1278, 1382..1453, 1756..1803, 2227..2302, 2379..2450, 2953..3040, 3164..3434, 4064..4262		

GI Descrip. (AC009525) Similar to beta-glucosidases [Arabidopsis thaliana]

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o1.ts	Method	TBLASTX:Soybean
Start	1225	End	4171
GI	none	Score	59
Exons	1225..1278, 1379..1441, 1726..1803, 2230..2316, 2387..2452, 2943..3047, 2981..3049, 3165..3302, 3167..3244, 3168..3302, 3324..3434, 4058..4171		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o1.tm	Method	TBLASTX:Maize
Start	2372	End	3380
GI	none	Score	93
Exons	2372..2452, 2952..3047, 2952..3047, 2960..3049, 3164..3250, 3164..3247, 3165..3254, 3166..3255, 3253..3363, 3253..3366, 3255..3380, 3287..3373		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o2.tc	Method	TBLASTX:Cress
Start	2693	End	2851
GI	none	Score	83
Exons	2693..2737, 2694..2738, 2695..2742, 2695..2739, 2731..2835, 2732..2845, 2741..2851		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o2.tm	Method	TBLASTX:Maize
Start	2693	End	2857
GI	none	Score	83
Exons	2693..2737, 2695..2742, 2695..2739, 2732..2857, 2741..2851		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o2.ts	Method	TBLASTX:Soybean
Start	2693	End	2851
GI	none	Score	78
Exons	2693..2737, 2695..2742, 2695..2739, 2730..2849, 2732..2851, 2741..2851		

Seq. No.	40456	Seq. ID	OJ000209_02.0314.C29
Gene No.	83728	Strand	+
Start	245	End	4262
Name	OJ000209_02.0314.C29.o1.tc	Method	TBLASTX:Cress
Start	2936	End	3422
GI	none	Score	115
Exons	2936..3049, 2937..3047, 3155..3244, 3156..3320, 3324..3422		

Seq. No.	40457	Seq. ID	OJ000209_02.0314.C30

Gene No.	83729	Strand	-
Start	746	End	1310
Name	OJ000209_02.0314.C30.o1.gp	Method	AAT/GAP
Start	746	End	1310
GI	uC-osflcyp152h01b1	Score	1092
Exons	746..1310		
GI Descrip.	'3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]'		

Seq. No.	40457	Seq. ID	OJ000209_02.0314.C30
Gene No.	83730	Strand	-
Start	3216	End	3830
Name	OJ000209_02.0314.C30.o2.gs	Method	GENSCAN
Start	3216	End	3830
GI	none	Score	.62
Exons	3216..3265, 3365..3491, 3750..3830		

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o1.gp	Method	AAT/GAP
Start	268	End	892
GI	2442451	Score	658
Exons	268..474, 546..677, 767..892		

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o2.tw	Method	TBLASTX:Wheat
Start	357	End	602
GI	none	Score	152
Exons	357..482, 358..477, 368..487, 545..583, 546..602		

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o1.gs	Method	GENSCAN
Start	358	End	1861
GI	none	Score	.61
Exons	358..474, 546..677, 767..1861		

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1453
GI	none	Score	39
Exons	977..1012, 997..1128, 1001..1120, 1001..1135, 1128..1385, 1128..1364, 1130..1387, 1403..1453, 1404..1451		

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o1.tm	Method	TBLASTX:Maize
Start	1001	End	1954
GI	none	Score	115
Exons	1001..1135, 1001..1135, 1125..1292, 1128..1298, 1130..1297, 1141..1299, 1327..1467, 1400..1483, 1404..1466, 1404..1442,		

1458..1616, 1461..1577, 1468..1617, 1617..1790, 1617..1784, 1898..1954, 1899..1946

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o2.gp	Method	AAT/GAP
Start	1222	End	1577
GI	568424	Score	712
Exons	1222..1577		

Seq. No.	40458	Seq. ID	OJ000209_02.0314.C31
Gene No.	83731	Strand	-
Start	268	End	2017
Name	OJ000209_02.0314.C31.o3.gp	Method	AAT/GAP
Start	1625	End	2017
GI	uC-osflcyp022f10b1	Score	544
Exons	1625..1786, 1898..2017		
GI Descrip.	'3063456 1.0e-12 (AC003981) F22O13.18 [Arabidopsis thaliana]'		

Seq. No.	40459	Seq. ID	OJ000209_02.0314.C33
Gene No.	83732	Strand	+
Start	1	End	1924
Name	OJ000209_02.0314.C33.o1.np	Method	AAT/NAP
Start	1	End	1924
GI	7435451	Score	267
Exons	1..283, 1289..1384, 1574..1660, 1823..1924		
GI Descrip.	beta-glucosidase homolog T27E11.60 - Arabidopsis thaliana gi|4972113|emb|CAB43970.1| (AL078579) putative beta-glucosidase [Arabidopsis thaliana] gi|7269635|emb|CAB81431.1| (AL161571) putative beta-glucosidase [Arabidopsis thaliana]		

Seq. No.	40459	Seq. ID	OJ000209_02.0314.C33
Gene No.	83732	Strand	+
Start	1	End	1924
Name	OJ000209_02.0314.C33.o1.tm	Method	TBLASTX:Maize
Start	54	End	209
GI	none	Score	139
Exons	54..206, 56..208, 57..209		

Seq. No.	40459	Seq. ID	OJ000209_02.0314.C33
Gene No.	83732	Strand	+
Start	1	End	1924
Name	OJ000209_02.0314.C33.o1.gs	Method	GENSCAN
Start	96	End	1660
GI	none	Score	.55
Exons	96..257, 558..586, 646..665, 1573..1660		

Seq. No.	40460	Seq. ID	OJ000209_02.0314.C34
Gene No.	83733	Strand	+
Start	2732	End	3012
Name	OJ000209_02.0314.C34.o1.np	Method	AAT/NAP
Start	2732	End	3012
GI	7435452	Score	108
Exons	2732..2862, 2945..3012		
GI Descrip.	beta-glucosidase homolog T27E11.70 - Arabidopsis thaliana gi|4972114|emb|CAB43971.1| (AL078579) putative beta-glucosidase		

[Arabidopsis thaliana] gi|7269636|emb|CAB81432.1| (AL161571) putative beta-glucosidase [Arabidopsis thaliana]

Seq. No.	40460	Seq. ID	OJ000209_02.0314.C34
Gene No.	83734	Strand	-
Start	2650	End	3380
Name	OJ000209_02.0314.C34.o1.gs	Method	GENSCAN
Start	2650	End	3380
GI	none	Score	.63
Exons	2650..2779, 2903..2985, 3207..3380		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83735	Strand	+
Start	1	End	4029
Name	OJ000209_02.0314.C35.o1.np	Method	AAT/NAP
Start	1	End	2112
GI	5852093	Score	46
Exons	1..27, 273..365, 2090..2112		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83735	Strand	+
Start	1	End	4029
Name	OJ000209_02.0314.C35.o3.np	Method	AAT/NAP
Start	1	End	4029
GI	6056418	Score	672
Exons	1..46, 1251..1326, 1404..1475, 1573..1660, 1769..2039, 2284..2387, 2989..3203, 3971..4029		
GI Descrip.	(AC009525) Similar to beta-glucosidases [Arabidopsis thaliana]		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83735	Strand	+
Start	1	End	4029
Name	OJ000209_02.0314.C35.o1.gs	Method	GENSCAN
Start	223	End	3702
GI	none	Score	.66
Exons	223..243, 1251..1326, 1404..1475, 1573..1660, 1805..2027, 2735..2790, 2989..3190, 3667..3702		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83736	Strand	-
Start	1116	End	3184
Name	OJ000209_02.0314.C35.o2.np	Method	AAT/NAP
Start	1116	End	2541
GI	5852084	Score	91
Exons	1116..1220, 2522..2541		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83736	Strand	-
Start	1116	End	3184
Name	OJ000209_02.0314.C35.o1.tw	Method	TBLASTX:Wheat
Start	1242	End	3136
GI	none	Score	79
Exons	1242..1325, 1253..1324, 1402..1464, 1403..1465, 1548..1667, 1760..1906, 1761..1907, 2993..3136		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83736	Strand	-
Start	1116	End	3184
Name	OJ000209_02.0314.C35.o1.tm	Method	TBLASTX:Maize
Start	1245	End	2027
GI	none	Score	100
Exons	1245..1325, 1253..1324, 1402..1479, 1403..1477, 1515..1667, 1571..1672, 1766..1921, 1770..1922, 1929..2027, 1931..1993		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83736	Strand	-
Start	1116	End	3184
Name	OJ000209_02.0314.C35.o1.ts	Method	TBLASTX:Soybean
Start	1245	End	3184
GI	none	Score	85
Exons	1245..1340, 1253..1327, 1412..1477, 1421..1483, 1560..1667, 1571..1669, 1769..1912, 1770..1913, 1926..2027, 2272..2337, 2332..2391, 2993..3184		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83736	Strand	-
Start	1116	End	3184
Name	OJ000209_02.0314.C35.o1.tc	Method	TBLASTX:Cress
Start	1556	End	2027
GI	none	Score	117
Exons	1556..1669, 1557..1667, 1751..1924, 1761..1925, 1929..2027		

Seq. No.	40461	Seq. ID	OJ000209_02.0314.C35
Gene No.	83736	Strand	-
Start	1116	End	3184
Name	OJ000209_02.0314.C35.o2.tm	Method	TBLASTX:Maize
Start	2268	End	3142
GI	none	Score	111
Exons	2268..2393, 2271..2387, 2272..2388, 2958..3113, 2989..3141, 2989..3141, 2990..3142		

Seq. No.	40462	Seq. ID	OJ000209_02.0314.C36
Gene No.	83737	Strand	+
Start	343	End	830
Name	OJ000209_02.0314.C36.o1.gs	Method	GENSCAN
Start	343	End	830
GI	none	Score	.56
Exons	343..450, 802..830		

Seq. No.	40462	Seq. ID	OJ000209_02.0314.C36
Gene No.	83738	Strand	-
Start	953	End	1241
Name	OJ000209_02.0314.C36.o1.gp	Method	AAT/GAP
Start	953	End	1241
GI	426253	Score	530
Exons	953..1241		

Seq. No.	40462	Seq. ID	OJ000209_02.0314.C36
Gene No.	83739	Strand	-
Start	1756	End	1857
Name	OJ000209_02.0314.C36.o2.gs	Method	GENSCAN
Start	1756	End	1857

GI	none	Score	.67
Exons	1756..1857		

Seq. No.	40462	Seq. ID	OJ000209_02.0314.C36
Gene No.	83740	Strand	-
Start	2006	End	2257
Name	OJ000209_02.0314.C36.o1.tw	Method	TBLASTX:Wheat
Start	1511	End	1865
GI	none	Score	94
Exons	1511..1540, 1512..1640, 1584..1637, 1652..1714, 1687..1713, 1697..1795, 1713..1820, 1726..1818, 1821..1865, 1833..1865		

Seq. No.	40462	Seq. ID	OJ000209_02.0314.C36
Gene No.	83740	Strand	-
Start	2006	End	2257
Name	OJ000209_02.0314.C36.o1.np	Method	AAT/NAP
Start	2006	End	2257
GI	6630696	Score	420
Exons	2006..2257		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o1.np	Method	AAT/NAP
Start	1	End	1102
GI	6630696	Score	1835
Exons	1..1102		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o2.tw	Method	TBLASTX:Wheat
Start	1	End	224
GI	none	Score	205
Exons	1..153, 2..151, 3..152, 162..221, 168..224, 169..222		

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o1.tm	Method	TBLASTX:Maize
Start	98	End	470
GI	none	Score	73
Exons	98..346, 99..470, 100..447		

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o1.tw	Method	TBLASTX:Wheat
Start	225	End	995
GI	none	Score	293
Exons	225..296, 450..656, 651..995		

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o2.ts	Method	TBLASTX:Soybean
Start	246	End	597
GI	none	Score	75
Exons	246..428, 249..437, 250..438,	433..597,	438..596

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o2.tm	Method	TBLASTX:Maize
Start	531	End	995
GI	none	Score	59
Exons	531..995, 634..744, 780..860,	923..982	

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o1.ts	Method	TBLASTX:Soybean
Start	666	End	1082
GI	5509260	Score	39
Exons	666..1082, 814..843, 874..1035		
GI Descrip.	-		

Seq. No.	40463	Seq. ID	OJ000209_02.0314.C37
Gene No.	83741	Strand	-
Start	1	End	1102
Name	OJ000209_02.0314.C37.o1.tc	Method	TBLASTX:Cress
Start	777	End	1043
GI	none	Score	105
Exons	777..1037, 865..1035, 921..1043		

Seq. No.	40464	Seq. ID	OJ000209_02.0314.C38
Gene No.	83742	Strand	-
Start	1	End	294
Name	OJ000209_02.0314.C38.o1.gp	Method	AAT/GAP
Start	1	End	294
GI	4715792	Score	580
Exons	1..294		
GI Descrip.	3063455 1.0e-13 (AC003981) F22O13.17 [Arabidopsis thaliana]		

Seq. No.	40465	Seq. ID	OJ000209_02.0314.C42
Gene No.	83743	Strand	+
Start	166	End	549
Name	OJ000209_02.0314.C42.o1.np	Method	AAT/NAP
Start	166	End	501
GI	81286	Score	70
Exons	166..501		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	40465	Seq. ID	OJ000209_02.0314.C42
Gene No.	83743	Strand	+
Start	166	End	549
Name	OJ000209_02.0314.C42.o1.gs	Method	GENSCAN

Start	274	End	549
GI	none	Score	.47
Exons	274..549		

Seq. No.	40466	Seq. ID	OJ000209_02.0314.C44
Gene No.	83744	Strand	-
Start	45	End	760
Name	OJ000209_02.0314.C44.o1.gp	Method	AAT/GAP
Start	45	End	760
GI	11375_1.R1084	Score	1402
Exons	45..760		
GI Descrip.	'4895198/gb|AAD32785.1|AC007661_22 2.0e-10 (AC007661) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40466	Seq. ID	OJ000209_02.0314.C44
Gene No.	83744	Strand	-
Start	45	End	760
Name	OJ000209_02.0314.C44.o1.tm	Method	TBLASTX:Maize
Start	156	End	759
GI	none	Score	50
Exons	156..212, 165..212, 228..284, 358..759	239..283, 285..338, 324..758,	

Seq. No.	40466	Seq. ID	OJ000209_02.0314.C44
Gene No.	83744	Strand	-
Start	45	End	760
Name	OJ000209_02.0314.C44.o1.gs	Method	GENSCAN
Start	251	End	746
GI	none	Score	.93
Exons	251..746		

Seq. No.	40466	Seq. ID	OJ000209_02.0314.C44
Gene No.	83744	Strand	-
Start	45	End	760
Name	OJ000209_02.0314.C44.o1.np	Method	AAT/NAP
Start	318	End	760
GI	6714365	Score	478
Exons	318..760		
GI Descrip.	(AC012562) unknown protein [Arabidopsis thaliana]		

Seq. No.	40466	Seq. ID	OJ000209_02.0314.C44
Gene No.	83744	Strand	-
Start	45	End	760
Name	OJ000209_02.0314.C44.o1.ts	Method	TBLASTX:Soybean
Start	345	End	575
GI	none	Score	201
Exons	345..575, 367..573		

Seq. No.	40466	Seq. ID	OJ000209_02.0314.C44
Gene No.	83744	Strand	-
Start	45	End	760
Name	OJ000209_02.0314.C44.o1.tc	Method	TBLASTX:Cress
Start	363	End	528
GI	none	Score	150
Exons	363..527, 367..528		

Seq. No.	40467	Seq. ID	OJ000209_02.0314.C45

Gene No.	83745	Strand	-
Start	1	End	2375
Name	OJ000209_02.0314.C45.o1.gs	Method	GENSCAN
Start	15	End	1655
GI	none	Score	.49
Exons	15..123, 139..523, 1509..1655		

Seq. No.	40467	Seq. ID	OJ000209_02.0314.C45
Gene No.	83745	Strand	-
Start	1	End	2375
Name	OJ000209_02.0314.C45.o1.ts	Method	TBLASTX:Soybean
Start	1380	End	2293
GI	none	Score	93
Exons	1380..1454, 1533..1658, 1533..1664, 1537..1662, 2201..2293, 2217..2285		

Seq. No.	40467	Seq. ID	OJ000209_02.0314.C45
Gene No.	83745	Strand	-
Start	1	End	2375
Name	OJ000209_02.0314.C45.o1.tc	Method	TBLASTX:Cress
Start	1386	End	2375
GI	none	Score	79
Exons	1386..1457, 1389..1454, 1533..1658, 1533..1664, 1540..1662, 2196..2375, 2201..2293		

Seq. No.	40467	Seq. ID	OJ000209_02.0314.C45
Gene No.	83745	Strand	-
Start	1	End	2375
Name	OJ000209_02.0314.C45.o1.tm	Method	TBLASTX:Maize
Start	1389	End	2293
GI	none	Score	52
Exons	1389..1454, 1401..1457, 1533..1664, 1537..1659, 2196..2285, 2201..2293		

Seq. No.	40467	Seq. ID	OJ000209_02.0314.C45
Gene No.	83745	Strand	-
Start	1	End	2375
Name	OJ000209_02.0314.C45.o1.np	Method	AAT/NAP
Start	1392	End	2295
GI	1177047	Score	323
Exons	1392..1456, 1538..1655, 2201..2295		
GI Descrip.	14 KD ZINC-BINDING PROTEIN (PROTEIN KINASE C INHIBITOR) (PKCI) gi|629857|pir||S44158 protein kinase C inhibitor - maize gi|473187|emb|CAA82751| (Z29643) protein kinase C inhibitor [Zea mays]		

Seq. No.	40468	Seq. ID	OJ000209_02.0314.C46
Gene No.	83746	Strand	+
Start	2312	End	2755
Name	OJ000209_02.0314.C46.o1.gp	Method	AAT/GAP
Start	2312	End	2755
GI	none	Score	864
Exons	2312..2755		

Seq. No.	40468	Seq. ID	OJ000209_02.0314.C46
Gene No.	83747	Strand	-
Start	2782	End	5362

Name	OJ000209_02.0314.C46.o2.gs	Method	GENSCAN
Start	2782	End	5346
GI	none	Score	.72
Exons	2782..2862, 4095..4109, 4248..4319, 4492..5346		

Seq. No.	40468	Seq. ID	OJ000209_02.0314.C46
Gene No.	83747	Strand	-
Start	2782	End	5362
Name	OJ000209_02.0314.C46.o1.np	Method	AAT/NAP
Start	2785	End	5127
GI	7489325	Score	458
Exons	2785..2862, 4248..4319, 4492..4700, 4743..5127		
GI Descrip.	Dc3 promoter-binding factor-3 - common sunflower (fragment) gi|3273764|gb|AAC24835.1| (AF061870) Dc3 promoter-binding factor-3 [Helianthus annuus]		

Seq. No.	40468	Seq. ID	OJ000209_02.0314.C46
Gene No.	83747	Strand	-
Start	2782	End	5362
Name	OJ000209_02.0314.C46.o1.tm	Method	TBLASTX:Maize
Start	4242	End	5362
GI	none	Score	94
Exons	4242..4322, 4247..4327, 4491..4661, 4492..4662, 4492..4665, 4661..4828, 4665..4829, 4665..4832, 4669..4845, 4669..4845, 4846..4944, 4852..4968, 4892..4969, 5011..5136, 5012..5092, 5029..5127, 5153..5272, 5167..5265, 5333..5362		

Seq. No.	40468	Seq. ID	OJ000209_02.0314.C46
Gene No.	83747	Strand	-
Start	2782	End	5362
Name	OJ000209_02.0314.C46.o1.tw	Method	TBLASTX:Wheat
Start	4582	End	4948
GI	none	Score	70
Exons	4582..4734, 4583..4708, 4591..4740, 4593..4736, 4789..4869, 4790..4816, 4873..4947, 4898..4948		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83748	Strand	+
Start	600	End	911
Name	OJ000209_02.0314.C47.o1.gs	Method	GENSCAN
Start	600	End	911
GI	none	Score	.68
Exons	600..911		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83749	Strand	+
Start	4851	End	9977
Name	OJ000209_02.0314.C47.o1.np	Method	AAT/NAP
Start	4851	End	9977
GI	6587812	Score	434
Exons	4851..4942, 5507..5573, 5687..5772, 6436..6524, 6638..6762, 7057..7133, 7442..7693, 9949..9977		
GI Descrip.	(AC010924) Similar to gb|U44028 transcription factor CKC from Arabidopsis thaliana and contains two PF|00847 AP2 domains.		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83749	Strand	+

Start	4851	End	9977
Name	OJ000209_02.0314.C47.o3.gs	Method	GENSCAN
Start	5323	End	8094
GI	none	Score	.77
Exons	5323..5573, 5687..5772, 6436..6524, 6638..6762, 7057..7133, 7442..8094		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83750	Strand	+
Start	10836	End	10990
Name	OJ000209_02.0314.C47.o1.gp	Method	AAT/GAP
Start	10836	End	10990
GI	452_4.R1084	Score	287
Exons	10836..10990		
GI Descrip.	'1703380/sp|P51823|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR >gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor [Oryza sativa]'		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83751	Strand	-
Start	2185	End	4898
Name	OJ000209_02.0314.C47.o2.gs	Method	GENSCAN
Start	2185	End	4898
GI	none	Score	.61
Exons	2185..2410, 2484..2798, 3344..3544, 3718..3799, 4847..4898		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83752	Strand	
Start	5685	End	7536
Name	OJ000209_02.0314.C47.o1.ts	Method	TBLASTX:Soybean
Start	5685	End	7126
GI	none	Score	72
Exons	5685..5759, 6429..6530, 6638..6763, 6652..6756, 7055..7126		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83752	Strand	
Start	5685	End	7536
Name	OJ000209_02.0314.C47.o1.tc	Method	TBLASTX:Cress
Start	6429	End	7533
GI	none	Score	129
Exons	6429..6527, 6429..6527, 6638..6763, 6682..6759, 7054..7110, 7055..7105, 7094..7132, 7441..7533, 7444..7521		

Seq. No.	40469	Seq. ID	OJ000209_02.0314.C47
Gene No.	83752	Strand	
Start	5685	End	7536
Name	OJ000209_02.0314.C47.o1.tm	Method	TBLASTX:Maize
Start	6429	End	7536
GI	none	Score	131
Exons	6429..6530, 6429..6527, 6623..6748, 6638..6763, 6685..6759, 7054..7131, 7055..7132, 7056..7148, 7441..7536, 7441..7533		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83753	Strand	+
Start	211	End	2856
Name	OJ000209_02.0314.C48.o1.gp	Method	AAT/GAP
Start	211	End	2810

GI	452_4.R1084	Score	1655
Exons	211..367, 921..991, 1167..1286, 1629..1747, 2165..2246, 2458..2810		
GI Descrip.	'1703380/sp|P51823|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR >gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor [Oryza sativa]'		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83753	Strand	+
Start	211	End	2856
Name	OJ000209_02.0314.C48.o1.gs	Method	GENSCAN
Start	220	End	2856
GI	none	Score	.85
Exons	220..367, 921..991, 1167..1286, 1629..1747, 2165..2246, 2785..2856		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83753	Strand	+
Start	211	End	2856
Name	OJ000209_02.0314.C48.o1.np	Method	AAT/NAP
Start	220	End	2249
GI	1703380	Score	810
Exons	220..367, 921..991, 1167..1286, 1629..1747, 2165..2249		
GI Descrip.	ADP-RIBOSYLATION FACTOR gi|1132483|dbj|BAA04607| (D17760) ADP-ribosylation factor [Oryza sativa]		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o1.tc	Method	TBLASTX:Cress
Start	189	End	1724
GI	none	Score	65
Exons	189..335, 211..369, 219..368, 919..990, 920..994, 1164..1286, 1164..1355, 1620..1721, 1626..1724		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o1.tm	Method	TBLASTX:Maize
Start	204	End	1229
GI	none	Score	255
Exons	204..368, 214..369, 919..990, 920..991, 1164..1229, 1166..1207, 1173..1229		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o1.ts	Method	TBLASTX:Soybean
Start	204	End	2246
GI	none	Score	255
Exons	204..368, 214..369, 919..990, 920..994, 1164..1286, 1164..1322, 1620..1748, 1626..1754, 1627..1749, 2165..2245, 2166..2246		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o1.tw	Method	TBLASTX:Wheat

Start	216	End	1204
GI	none	Score	148
Exons	216..335, 216..368, 217..369, 919..996, 920..994, 924..1016, 1164..1202, 1166..1204, 1166..1204		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o2.tw	Method	TBLASTX:Wheat
Start	1206	End	2246
GI	none	Score	135
Exons	1206..1286, 1206..1286, 1210..1287, 1620..1748, 1627..1749, 1661..1750, 1667..1750, 2165..2245, 2166..2246		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o2.tm	Method	TBLASTX:Maize
Start	1230	End	2246
GI	none	Score	97
Exons	1230..1286, 1230..1319, 1237..1320, 1620..1748, 1626..1751, 1627..1749, 2164..2244, 2166..2246		

Seq. No.	40470	Seq. ID	OJ000209_02.0314.C48
Gene No.	83754	Strand	+
Start	3102	End	3370
Name	OJ000209_02.0314.C48.o2.gp	Method	AAT/GAP
Start	3102	End	3370
GI	none	Score	538
Exons	3102..3370		

Seq. No.	40471	Seq. ID	OJ000209_02.0314.C49
Gene No.	83755	Strand	-
Start	254	End	2315
Name	OJ000209_02.0314.C49.o1.np	Method	AAT/NAP
Start	254	End	2315
GI	4929759	Score	255
Exons	254..321, 407..530, 800..869, 979..1036, 1121..1214, 1727..1927, 2163..2315		
GI Descrip.	(AF151903) CGI-145 protein [Homo sapiens]		

Seq. No.	40471	Seq. ID	OJ000209_02.0314.C49
Gene No.	83755	Strand	-
Start	254	End	2315
Name	OJ000209_02.0314.C49.o1.gs	Method	GENSCAN
Start	543	End	2267
GI	none	Score	.9
Exons	543..605, 800..854, 979..1036, 1121..1214, 1727..1927, 2163..2267		

Seq. No.	40471	Seq. ID	OJ000209_02.0314.C49
Gene No.	83755	Strand	-
Start	254	End	2315
Name	OJ000209_02.0314.C49.o1.tm	Method	TBLASTX:Maize
Start	2157	End	2315
GI	none	Score	166
Exons	2157..2315, 2158..2313		

Seq. No.	40472	Seq. ID	OJ000209_02.0314.C50
Gene No.	83756	Strand	-
Start	27	End	356
Name	OJ000209_02.0314.C50.o1.gs	Method	GENSCAN
Start	27	End	356
GI	none	Score	.88
Exons	27..356		

Seq. No.	40472	Seq. ID	OJ000209_02.0314.C50
Gene No.	83757	Strand	-
Start	2282	End	3022
Name	OJ000209_02.0314.C50.o1.np	Method	AAT/NAP
Start	2250	End	3022
GI	4249391	Score	172
Exons	2250..2483, 2747..2834, 2951..3022		
GI Descrip.	(AC005966) Similar to gi|3249076 T13D8.16 beta glucosidase from Arabidopsis thaliana BAC gb|AC004473. [Arabidopsis thaliana]		

Seq. No.	40472	Seq. ID	OJ000209_02.0314.C50
Gene No.	83757	Strand	-
Start	2282	End	3022
Name	OJ000209_02.0314.C50.o2.gs	Method	GENSCAN
Start	2282	End	2834
GI	none	Score	.99
Exons	2282..2483, 2747..2834		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51
Gene No.	83758	Strand	+
Start	1	End	1442
Name	OJ000209_02.0314.C51.o1.np	Method	AAT/NAP
Start	1	End	1442
GI	6630696	Score	2500
Exons	1..1442		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51
Gene No.	83758	Strand	+
Start	1	End	1442
Name	OJ000209_02.0314.C51.o1.gp	Method	AAT/GAP
Start	18	End	908
GI	101595_1.R1084	Score	1463
Exons	18..718, 834..908		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51
Gene No.	83758	Strand	+
Start	1	End	1442
Name	OJ000209_02.0314.C51.o1.gs	Method	GENSCAN
Start	123	End	982
GI	none	Score	.48
Exons	123..723, 834..982		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51

Gene No.	83759	Strand	-
Start	1243	End	1383
Name	OJ000209_02.0314.C51.o1.tw	Method	TBLASTX:Wheat
Start	6	End	267
GI	none	Score	291
Exons	6..266, 56..247, 85..267, 136..267		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51
Gene No.	83759	Strand	-
Start	1243	End	1383
Name	OJ000209_02.0314.C51.o2.tm	Method	TBLASTX:Maize
Start	18	End	326
GI	none	Score	318
Exons	18..326, 65..247, 118..261, 147..323		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51
Gene No.	83759	Strand	-
Start	1243	End	1383
Name	OJ000209_02.0314.C51.o1.tm	Method	TBLASTX:Maize
Start	849	End	1193
GI	none	Score	384
Exons	849..1121, 850..1122, 851..1123, 851..1123, 1152..1193		

Seq. No.	40473	Seq. ID	OJ000209_02.0314.C51
Gene No.	83759	Strand	-
Start	1243	End	1383
Name	OJ000209_02.0314.C51.o2.gs	Method	GENSCAN
Start	1243	End	1383
GI	none	Score	.94
Exons	1243..1383		

Seq. No.	40474	Seq. ID	OJ000209_02.0314.C56
Gene No.	83760	Strand	+
Start	1	End	879
Name	OJ000209_02.0314.C56.o1.gp	Method	AAT/GAP
Start	1	End	485
GI	59234_1.R1084	Score	958
Exons	1..485		
GI Descrip.	'2351071/dbj|AB006706.1|AB006706 2.0e-09 Arabidopsis thaliana genomic DNA, chromosome 5, P1 clone: MVA3, complete sequence'		

Seq. No.	40474	Seq. ID	OJ000209_02.0314.C56
Gene No.	83760	Strand	+
Start	1	End	879
Name	OJ000209_02.0314.C56.o1.tc	Method	TBLASTX:Cress
Start	1	End	240
GI	none	Score	233
Exons	1..240, 67..192		

Seq. No.	40474	Seq. ID	OJ000209_02.0314.C56
Gene No.	83760	Strand	+
Start	1	End	879
Name	OJ000209_02.0314.C56.o1.gs	Method	GENSCAN
Start	22	End	879
GI	none	Score	.91
Exons	22..225, 635..705, 774..879		

Seq. No.	40474	Seq. ID	OJ000209_02.0314.C56
Gene No.	83760	Strand	+
Start	1	End	879
Name	OJ000209_02.0314.C56.o1.ts	Method	TBLASTX:Soybean
Start	49	End	255
GI	none	Score	298
Exons	49..255, 49..219, 171..239		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83761	Strand	+
Start	519	End	5744
Name	OJ000209_08.0309.C2.o1.np	Method	AAT/NAP
Start	519	End	5458
GI	7413593	Score	1383
Exons	519..565, 1854..2045, 2321..2522, 2616..2776, 2906..2999, 3077..3289, 3775..3845, 4737..4962, 5285..5458		
GI Descrip.	(AL163002) putative protein [Arabidopsis thaliana]		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83761	Strand	+
Start	519	End	5744
Name	OJ000209_08.0309.C2.o1.gp	Method	AAT/GAP
Start	1352	End	2496
GI	none	Score	835
Exons	1352..1466, 1880..2045, 2321..2496		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83761	Strand	+
Start	519	End	5744
Name	OJ000209_08.0309.C2.o1.gs	Method	GENSCAN
Start	1391	End	5488
GI	none	Score	.92
Exons	1391..1466, 1880..2045, 2321..2522, 2616..2776, 2906..2999, 3077..3289, 4744..4962, 5285..5488		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83761	Strand	+
Start	519	End	5744
Name	OJ000209_08.0309.C2.o2.gp	Method	AAT/GAP
Start	3778	End	5744
GI	33112_1.R1084	Score	1328
Exons	3778..3855, 4744..4962, 5285..5744		
GI Descrip.	'1363051/pir||A56534 2.0e-23 P58 protein - bovine >gi_468012 (U04631) PKR inhibitor P58 [Bos taurus]'		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83762	Strand	+
Start	8369	End	10743
Name	OJ000209_08.0309.C2.o2.np	Method	AAT/NAP
Start	8369	End	10743
GI	7363286	Score	1428
Exons	8369..8450, 8579..9072, 9103..10743		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F4I10; vegetative storage protein. (AL035525) [Oryza sativa]		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2

Gene No.	83763	Strand	+
Start	14723	End	15052
Name	OJ000209_08.0309.C2.o3.gp	Method	AAT/GAP
Start	14723	End	15052
GI	3106772	Score	534
Exons	14723..15052		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83764	Strand	+
Start	15095	End	15150
Name	OJ000209_08.0309.C2.o4.gp	Method	AAT/GAP
Start	15095	End	15150
GI	LIB3434-003-P1-K1-A11	Score	89
Exons	15095..15150		
GI Descrip.	'3882149/dbj|BAA34434.1| 3.0e-20 (AB018257) KIAA0714 protein [Homo sapiens]'		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83765	Strand	-
Start	6294	End	7046
Name	OJ000209_08.0309.C2.o2.gs	Method	GENSCAN
Start	6294	End	7046
GI	none	Score	.66
Exons	6294..7046		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83766	Strand	-
Start	11176	End	14692
Name	OJ000209_08.0309.C2.o4.gs	Method	GENSCAN
Start	11176	End	14692
GI	none	Score	.54
Exons	11176..11253, 13000..13122, 14631..14692		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o2.tw	Method	TBLASTX:Wheat
Start	1866	End	2488
GI	none	Score	241
Exons	1866..2045, 1867..2052, 2313..2486, 2323..2487, 2366..2488		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o6.tm	Method	TBLASTX:Maize
Start	1867	End	2420
GI	none	Score	254
Exons	1867..2046, 1878..2048, 1902..2051, 2301..2420, 2313..2420		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o5.tm	Method	TBLASTX:Maize
Start	2421	End	3128
GI	none	Score	135
Exons	2421..2522, 2423..2521, 2432..2524, 2613..2780, 2614..2778, 2903..2998, 2904..3029, 3077..3127, 3081..3128, 3081..3128		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o4.tc	Method	TBLASTX:Cress
Start	2595	End	3157
GI	none	Score	94
Exons	2595..2780, 2612..2749, 2652..2777, 2903..2998, 2904..2999, 3049..3153, 3077..3157		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o4.ts	Method	TBLASTX:Soybean
Start	3769	End	4905
GI	none	Score	124
Exons	3769..3855, 3774..3851, 4740..4904, 4741..4905		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o7.tm	Method	TBLASTX:Maize
Start	4840	End	5470
GI	none	Score	203
Exons	4840..4965, 4841..4963, 4842..4964, 5282..5341, 5283..5363, 5284..5364, 5356..5403, 5369..5470		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o3.tw	Method	TBLASTX:Wheat
Start	6714	End	7019
GI	none	Score	81
Exons	6714..6920, 6736..6939, 6846..6956, 6948..7019		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o4.tm	Method	TBLASTX:Maize
Start	6714	End	8244
GI	none	Score	246
Exons	6714..7043, 6730..6975, 8116..8244		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o2.tc	Method	TBLASTX:Cress
Start	6720	End	7077
GI	none	Score	216
Exons	6720..7025, 6721..7077		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o2.ts	Method	TBLASTX:Soybean
Start	6720	End	9640
GI	none	Score	243

Exons	6720..7025, 6727..7017, 9485..9640		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o3.tc	Method	TBLASTX:Cress
Start	8626	End	10188
GI	none	Score	122
Exons	8626..8898, 9136..9309, 9328..9687, 9526..10092, 9546..9704, 9796..9906, 9814..9966, 10090..10188		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o1.tw	Method	TBLASTX:Wheat
Start	8632	End	10047
GI	none	Score	154
Exons	8632..8898, 8956..9081, 9120..9242, 9121..9294, 9328..9687, 9577..10047, 9591..9689, 9741..9986		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	8638	End	10119
GI	none	Score	81
Exons	8638..8898, 8665..8964, 8665..8898, 9124..9309, 9136..9306, 9136..9684, 9211..9306, 9265..9633, 9342..9656, 9349..9609, 9382..9549, 9502..9903, 9577..10062, 9610..10119, 9613..9939, 9666..10118, 9741..9914, 9757..9873		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o6.ts	Method	TBLASTX:Soybean
Start	8749	End	9984
GI	none	Score	77
Exons	8749..8898, 9136..9246, 9718..9984, 9723..9848		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	9997	End	10524
GI	none	Score	423
Exons	9997..10524, 10017..10199		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	10152	End	10701
GI	none	Score	488
Exons	10152..10688, 10153..10701, 10155..10694		
Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-

Start	14921	End	15372
Name	OJ000209_08.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	10215	End	10746
GI	none	Score	502
Exons	10215..10493, 10225..10746, 10593..10745		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o5.ts	Method	TBLASTX:Soybean
Start	10525	End	10782
GI	none	Score	255
Exons	10525..10782, 10528..10755		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o3.ts	Method	TBLASTX:Soybean
Start	14873	End	15156
GI	none	Score	253
Exons	14873..15151, 14923..15156, 14937..15149		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o3.tm	Method	TBLASTX:Maize
Start	14914	End	15151
GI	none	Score	120
Exons	14914..15024, 14914..15150, 14918..15151, 14919..15149, 15064..15150		

Seq. No.	40475	Seq. ID	OJ000209_08.0309.C2
Gene No.	83767	Strand	-
Start	14921	End	15372
Name	OJ000209_08.0309.C2.o3.np	Method	AAT/NAP
Start	14921	End	15372
GI	6686129	Score	281
Exons	14921..15372		
GI Descrip.	HYPOTHETICAL PROTEIN KIAA0714 gi|3882149|dbj|BAA34434.1| (AB018257) KIAA0714 protein [Homo sapiens]		

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83768	Strand	-
Start	644	End	1456
Name	OJ000209_08.0309.C4.o1.np	Method	AAT/NAP
Start	644	End	1456
GI	6996263	Score	491
Exons	644..1456		
GI Descrip.	(AL138657) putative protein [Arabidopsis thaliana]		

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83769	Strand	-
Start	3042	End	3494
Name	OJ000209_08.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	653	End	1447
GI	none	Score	72
Exons	653..682, 707..892, 717..893, 926..1135, 930..968, 1245..1325,		

1253..1354, 1373..1447

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83769	Strand	-
Start	3042	End	3494
Name	OJ000209_08.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	705	End	1450
GI	none	Score	67
Exons	705..896, 719..748, 800..895, 926..1003, 939..962, 1013..1135, 1060..1152, 1061..1177, 1250..1450, 1253..1450		

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83769	Strand	-
Start	3042	End	3494
Name	OJ000209_08.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	707	End	1462
GI	none	Score	154
Exons	707..1135, 708..965, 1239..1325, 1253..1354, 1370..1462		

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83769	Strand	-
Start	3042	End	3494
Name	OJ000209_08.0309.C4.o1.tw	Method	TBLASTX:Wheat
Start	1253	End	1480
GI	none	Score	182
Exons	1253..1480		

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83769	Strand	-
Start	3042	End	3494
Name	OJ000209_08.0309.C4.o2.gs	Method	GENSCAN
Start	3042	End	3494
GI	none	Score	.43
Exons	3042..3167, 3492..3494		

Seq. No.	40476	Seq. ID	OJ000209_08.0309.C4
Gene No.	83769	Strand	-
Start	3042	End	3494
Name	OJ000209_08.0309.C4.o2.np	Method	AAT/NAP
Start	3306	End	3494
GI	7228447	Score	282
Exons	3306..3494		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83770	Strand	+
Start	1	End	2386
Name	OJ000209_08.0309.C5.o1.np	Method	AAT/NAP
Start	1	End	1511
GI	7228448	Score	812
Exons	1..26, 293..760, 983..1032, 1476..1511		
GI Descrip.	(AP001366) ESTs AU068685(C30691),AU068684(C30691) correspond to a region of the predicted gene.; Similar to Genomic sequence for Arabidopsis thaliana BAC F21J9, F21J9.24. (AC000103) [Oryza sativa]		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5

Gene No.	83770	Strand	+
Start	1	End	2386
Name	OJ000209_08.0309.C5.o1.gs	Method	GENSCAN
Start	472	End	2386
GI	none	Score	.47
Exons	472..760, 983..1032, 1476..1497, 2196..2386		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83771	Strand	+
Start	2513	End	8179
Name	OJ000209_08.0309.C5.o2.np	Method	AAT/NAP
Start	2513	End	8179
GI	4371296	Score	1881
Exons	2513..2595, 3740..4986, 5066..5137, 5421..5492, 5639..5699, 5808..5945, 5999..7053, 8148..8179		
GI Descrip.	(AC006260) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83771	Strand	+
Start	2513	End	8179
Name	OJ000209_08.0309.C5.o2.gs	Method	GENSCAN
Start	3597	End	7160
GI	none	Score	.82
Exons	3597..3726, 3804..4929, 5220..5288, 5421..5492, 5813..7160		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83771	Strand	+
Start	2513	End	8179
Name	OJ000209_08.0309.C5.o1.gp	Method	AAT/GAP
Start	3632	End	4150
GI	uC-osf1M202068e12b1	Score	852
Exons	3632..3726, 3804..4150		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 6.0e-12 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83771	Strand	+
Start	2513	End	8179
Name	OJ000209_08.0309.C5.o2.gp	Method	AAT/GAP
Start	4693	End	5099
GI	569172	Score	590
Exons	4693..4986, 5066..5099		
GI Descrip.	4371296/gb|AAD18154| 1.0e-19 (AC006260) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o3.tw	Method	TBLASTX:Wheat
Start	84	End	226
GI	none	Score	184
Exons	84..224, 85..225, 85..225, 92..226		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163

Name	OJ000209_08.0309.C5.o2.tm	Method	TBLASTX:Maize
Start	190	End	669
GI	none	Score	43
Exons	190..228, 231..392, 232..564, 423..491, 528..563, 553..600, 558..602, 610..669		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o1.tw	Method	TBLASTX:Wheat
Start	243	End	657
GI	none	Score	211
Exons	243..386, 244..426, 421..657, 429..656		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o4.tm	Method	TBLASTX:Maize
Start	679	End	890
GI	none	Score	187
Exons	679..873, 708..890		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o2.ts	Method	TBLASTX:Soybean
Start	3806	End	4237
GI	none	Score	64
Exons	3806..3847, 3947..4177, 3964..4059, 4184..4237		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	4018	End	6980
GI	none	Score	148
Exons	4018..4158, 4019..4162, 4187..4276, 4769..4876, 4922..4954, 5067..5138, 5224..5268, 6114..6203, 6240..6374, 6366..6410, 6419..6583, 6423..6581, 6633..6755, 6819..6866, 6870..6980		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o3.tm	Method	TBLASTX:Maize
Start	4198	End	4533
GI	none	Score	117
Exons	4198..4533, 4202..4330, 4379..4507		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o2.tc	Method	TBLASTX:Cress
Start	4313	End	4558
GI	none	Score	219
Exons	4313..4558, 4315..4557		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5

Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	5067	End	6758
GI	none	Score	66
Exons	5067..5144, 5422..5490, 5628..5702, 6045..6245, 6239..6334, 6240..6335, 6339..6413, 6362..6406, 6395..6583, 6426..6581, 6632..6754, 6633..6755, 6648..6758		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o2.tw	Method	TBLASTX:Wheat
Start	6362	End	6755
GI	none	Score	60
Exons	6362..6403, 6363..6410, 6420..6581, 6425..6583, 6632..6754, 6633..6755		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o1.ts	Method	TBLASTX:Soybean
Start	6407	End	6989
GI	none	Score	228
Exons	6407..6583, 6420..6581, 6632..6742, 6633..6755, 6798..6866, 6870..6989		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o3.gs	Method	GENSCAN
Start	9584	End	10163
GI	none	Score	.71
Exons	9584..9812, 9838..10163		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o3.np	Method	AAT/NAP
Start	9590	End	10160
GI	7549639	Score	153
Exons	9590..9712, 9864..9927, 9958..10160		
GI Descrip.	(AC023912) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40477	Seq. ID	OJ000209_08.0309.C5
Gene No.	83772	Strand	+
Start	9584	End	10163
Name	OJ000209_08.0309.C5.o3.gp	Method	AAT/GAP
Start	9725	End	9793
GI	2799534	Score	105
Exons	9725..9793		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83773	Strand	+
Start	20	End	104
Name	OJ000209_08.0309.C6.o1.np	Method	AAT/NAP
Start	20	End	104

GI	6721547	Score	77
Exons	20..104		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o1.gs	Method	GENSCAN
Start	2092	End	4578
GI	none	Score	.79
Exons	2092..2392, 2467..2828, 3021..3257, 4378..4578		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o2.np	Method	AAT/NAP
Start	2095	End	4125
GI	4206122	Score	1095
Exons	2095..2392, 2467..2828, 3021..3257, 3860..4125		
GI Descrip.	(AF097667) protein phosphatase 2C homolog [Mesembryanthemum crystallinum]		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	2134	End	2590
GI	none	Score	133
Exons	2134..2286, 2148..2273, 2310..2363, 2311..2391, 2469..2543, 2471..2542, 2538..2588, 2546..2590		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	2151	End	4006
GI	none	Score	165
Exons	2151..2291, 2155..2292, 2287..2391, 2310..2351, 2468..2683, 2469..2684, 2666..2824, 2685..2831, 3018..3257, 3023..3238, 3917..4006, 3919..4005		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	2157	End	2735
GI	none	Score	136
Exons	2157..2273, 2158..2277, 2310..2354, 2311..2397, 2456..2683, 2472..2675, 2684..2734, 2685..2735		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	2160	End	4021
GI	none	Score	148
Exons	2160..2273, 2161..2295, 2310..2366, 2310..2393, 2311..2391,		

2468..2683, 2469..2708, 2678..2824, 2685..2831, 3018..3257, 3023..3250, 3859..4005, 3917..4021

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o2.tc	Method	TBLASTX:Cress
Start	2784	End	3236
GI	none	Score	78
Exons	2784..2843, 2785..2859, 2786..2854, 3000..3233, 3001..3228, 3018..3236, 3020..3235		

Seq. No.	40478	Seq. ID	OJ000209_08.0309.C6
Gene No.	83774	Strand	+
Start	2092	End	4578
Name	OJ000209_08.0309.C6.o2.tw	Method	TBLASTX:Wheat
Start	3911	End	4107
GI	none	Score	233
Exons	3911..4093, 3917..4087, 3919..4098, 3919..4107		

Seq. No.	40479	Seq. ID	OJ000209_08.0309.C7
Gene No.	83775	Strand	+
Start	195	End	2826
Name	OJ000209_08.0309.C7.o1.gs	Method	GENSCAN
Start	195	End	2804
GI	none	Score	.62
Exons	195..361, 411..665, 742..803, 1275..1430, 1526..1670, 2326..2489, 2668..2804		

Seq. No.	40479	Seq. ID	OJ000209_08.0309.C7
Gene No.	83775	Strand	+
Start	195	End	2826
Name	OJ000209_08.0309.C7.o1.np	Method	AAT/NAP
Start	382	End	2804
GI	7493128	Score	319
Exons	382..674, 742..816, 1318..1430, 1526..1670, 1856..1927, 2696..2804		
GI Descrip.	probable ubiquinone biosynthesis methyltransferase - fission yeast (Schizosaccharomyces pombe) gi|2213547|emb|CAB09781.1| (Z97052) putative ubiquinone biosynthesis methyltransferase [Schizosaccharomyces pombe]		

Seq. No.	40479	Seq. ID	OJ000209_08.0309.C7
Gene No.	83775	Strand	+
Start	195	End	2826
Name	OJ000209_08.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	400	End	2826
GI	none	Score	39
Exons	400..432, 432..452, 523..678, 532..675, 739..819, 740..817, 1271..1432, 1272..1445, 1272..1430, 1277..1432, 1524..1667, 1524..1670, 1525..1671, 1525..1671, 1851..1928, 1853..1930, 1853..1927, 2669..2806, 2670..2807, 2696..2794, 2697..2804, 2698..2805, 2698..2826		

Seq. No.	40479	Seq. ID	OJ000209_08.0309.C7
Gene No.	83775	Strand	+
Start	195	End	2826

Name	OJ000209_08.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	400	End	834
GI	none	Score	36
Exons	400..444, 532..675, 537..677, 542..676, 547..678, 739..834, 740..805, 751..816		

Seq. No.	40479	Seq. ID	OJ000209_08.0309.C7
Gene No.	83775	Strand	+
Start	195	End	2826
Name	OJ000209_08.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	421	End	1432
GI	none	Score	35
Exons	421..444, 532..666, 544..660, 600..668, 739..816, 740..817, 1271..1432, 1273..1431		

Seq. No.	40479	Seq. ID	OJ000209_08.0309.C7
Gene No.	83775	Strand	+
Start	195	End	2826
Name	OJ000209_08.0309.C7.o1.gp	Method	AAT/GAP
Start	1263	End	2766
GI	22397_1.R1084	Score	797
Exons	1263..1430, 1526..1670, 1856..1927, 2696..2766		
GI Descrip.	'4511988/gb|AAD21548.1| 8.0e-30 (AF088896) ubiquinone methyltransferase [Zymomonas mobilis]'		

Seq. No.	40480	Seq. ID	OJ000209_08.0309.C8
Gene No.	83776	Strand	-
Start	667	End	820
Name	OJ000209_08.0309.C8.o1.gs	Method	GENSCAN
Start	667	End	820
GI	none	Score	.9
Exons	667..820		

Seq. No.	40481	Seq. ID	OJ000209_08.0309.C9
Gene No.	83777	Strand	+
Start	2914	End	3354
Name	OJ000209_08.0309.C9.o1.gp	Method	AAT/GAP
Start	2914	End	3354
GI	none	Score	870
Exons	2914..3354		

Seq. No.	40481	Seq. ID	OJ000209_08.0309.C9
Gene No.	83778	Strand	-
Start	1	End	2475
Name	OJ000209_08.0309.C9.o1.np	Method	AAT/NAP
Start	1	End	2475
GI	2160165	Score	608
Exons	1..175, 434..884, 942..1672, 2156..2220, 2391..2475		
GI Descrip.	(AC000132) F21M12.11 gene product [Arabidopsis thaliana]		

Seq. No.	40481	Seq. ID	OJ000209_08.0309.C9
Gene No.	83779	Strand	-
Start	3209	End	4407
Name	OJ000209_08.0309.C9.o2.np	Method	AAT/NAP
Start	3209	End	4407
GI	7329638	Score	169
Exons	3209..3354, 4057..4205, 4319..4407		

GI Descrip. (AL132970) putative protein [Arabidopsis thaliana]

Seq. No.	40481	Seq. ID	OJ000209_08.0309.C9
Gene No.	83780	Strand	-
Start	6029	End	6414
Name	OJ000209_08.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	675	End	1097
GI	none	Score	108
Exons	675..866, 945..1097		

Seq. No.	40481	Seq. ID	OJ000209_08.0309.C9
Gene No.	83780	Strand	-
Start	6029	End	6414
Name	OJ000209_08.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	1458	End	1686
GI	none	Score	129
Exons	1458..1673, 1462..1686		

Seq. No.	40481	Seq. ID	OJ000209_08.0309.C9
Gene No.	83780	Strand	-
Start	6029	End	6414
Name	OJ000209_08.0309.C9.o3.np	Method	AAT/NAP
Start	6029	End	6414
GI	6721559	Score	223
Exons	6029..6162, 6192..6414		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83781	Strand	+
Start	8223	End	10366
Name	OJ000209_08.0309.C10.o3.gs	Method	GENSCAN
Start	8223	End	10366
GI	none	Score	.7
Exons	8223..8259, 10293..10366		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83782	Strand	+
Start	11381	End	12088
Name	OJ000209_08.0309.C10.o2.gp	Method	AAT/GAP
Start	11337	End	11795
GI	33368_1.R1084	Score	895
Exons	11337..11795		
GI Descrip.	'4580389/gb|AAD24367.1|AC007171_3 8.0e-29 (AC007171) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83782	Strand	+
Start	11381	End	12088
Name	OJ000209_08.0309.C10.o4.gs	Method	GENSCAN
Start	11381	End	12058
GI	none	Score	.41
Exons	11381..12058		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83782	Strand	+

Start	11381	End	12088
Name	OJ000209_08.0309.C10.o3.np	Method	AAT/NAP
Start	11426	End	12088
GI	4580389	Score	720
Exons	11426..12088		
GI Descrip.	(AC007171) legumin-like protein [Arabidopsis thaliana]		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83783	Strand	-
Start	221	End	5321
Name	OJ000209_08.0309.C10.o1.np	Method	AAT/NAP
Start	221	End	988
GI	4680183	Score	208
Exons	221..310, 918..988		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83783	Strand	-
Start	221	End	5321
Name	OJ000209_08.0309.C10.o1.gs	Method	GENSCAN
Start	265	End	5321
GI	none	Score	.65
Exons	265..391, 1227..1343, 1471..1897, 2858..2941, 3136..3171, 3310..3390, 4293..4400, 4684..4854, 4896..4959, 5058..5173, 5262..5321		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83783	Strand	-
Start	221	End	5321
Name	OJ000209_08.0309.C10.o1.gp	Method	AAT/GAP
Start	4293	End	5181
GI	none	Score	795
Exons	4293..4400, 4534..4593, 4684..4791, 4896..4959, 5058..5181		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83784	Strand	-
Start	6485	End	9243
Name	OJ000209_08.0309.C10.o2.gs	Method	GENSCAN
Start	6485	End	7099
GI	none	Score	1
Exons	6485..7099		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83784	Strand	-
Start	6485	End	9243
Name	OJ000209_08.0309.C10.o2.np	Method	AAT/NAP
Start	6521	End	9243
GI	7413649	Score	265
Exons	6521..6749, 6996..7055, 9171..9243		
GI Descrip.	(AL162971) putative protein [Arabidopsis thaliana]		

Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83784	Strand	-
Start	6485	End	9243
Name	OJ000209_08.0309.C10.o2.tm	Method	TBLASTX:Maize
Start	6540	End	6751
GI	none	Score	183

Exons	6540..6704, 6554..6751, 6656..6712		
Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83785	Strand	
Start	11384	End	12088
Name	OJ000209_08.0309.C10.o1.tm	Method	TBLASTX:Maize
Start	11384	End	12088
GI	none	Score	539
Exons	11384..11944, 11401..11940, 11963..12049, 11984..12046, 12043..12087, 12044..12088		
Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83785	Strand	
Start	11384	End	12088
Name	OJ000209_08.0309.C10.o1.tc	Method	TBLASTX:Cress
Start	11419	End	12022
GI	none	Score	206
Exons	11419..11652, 11420..11671, 11662..11733, 11663..11734, 11752..11811, 11753..12022, 11860..12021		
Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83785	Strand	
Start	11384	End	12088
Name	OJ000209_08.0309.C10.o1.tw	Method	TBLASTX:Wheat
Start	11419	End	11734
GI	none	Score	367
Exons	11419..11733, 11423..11734		
Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83785	Strand	
Start	11384	End	12088
Name	OJ000209_08.0309.C10.o1.ts	Method	TBLASTX:Soybean
Start	11425	End	12067
GI	none	Score	197
Exons	11425..11652, 11426..11671, 11662..11733, 11663..11734, 11749..11811, 11750..12067, 11860..12066		
Seq. No.	40482	Seq. ID	OJ000209_08.0309.C10
Gene No.	83785	Strand	
Start	11384	End	12088
Name	OJ000209_08.0309.C10.o2.tw	Method	TBLASTX:Wheat
Start	11744	End	11998
GI	none	Score	236
Exons	11744..11998, 11749..11985		
Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83786	Strand	+
Start	1	End	245
Name	OJ000209_08.0309.C11.o1.np	Method	AAT/NAP
Start	1	End	233
GI	4580389	Score	280
Exons	1..233		
GI Descrip.	(AC007171) legumin-like protein [Arabidopsis thaliana]		
Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83786	Strand	+
Start	1	End	245

Name	OJ000209_08.0309.C11.o1.gs	Method	GENSCAN
Start	51	End	245
GI	none	Score	.97
Exons	51..245		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83787	Strand	+
Start	2533	End	5852
Name	OJ000209_08.0309.C11.o2.np	Method	AAT/NAP
Start	2530	End	5852
GI	7019665	Score	2266
Exons	2530..2922, 3676..3736, 3818..3993, 4089..4289, 4609..4868, 4949..5259, 5339..5559, 5661..5852		
GI Descrip.	(AL132954) P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83787	Strand	+
Start	2533	End	5852
Name	OJ000209_08.0309.C11.o2.gs	Method	GENSCAN
Start	2533	End	5826
GI	none	Score	.81
Exons	2533..2910, 3682..3736, 3818..3993, 4089..4185, 4235..4289, 4949..5259, 5339..5559, 5661..5826		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83788	Strand	-
Start	1	End	433
Name	OJ000209_08.0309.C11.o1.gp	Method	AAT/GAP
Start	1	End	433
GI	41795_1.R1084	Score	814
Exons	1..433		
GI Descrip.	'4580389/gb|AAD24367.1|AC007171_3 8.0e-18 (AC007171) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83788	Strand	-
Start	1	End	433
Name	OJ000209_08.0309.C11.o1.tw	Method	TBLASTX:Wheat
Start	2	End	235
GI	none	Score	358
Exons	2..229, 3..230, 125..235		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83788	Strand	-
Start	1	End	433
Name	OJ000209_08.0309.C11.o2.tc	Method	TBLASTX:Cress
Start	2	End	233
GI	none	Score	284
Exons	2..226, 3..233		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83788	Strand	-
Start	1	End	433
Name	OJ000209_08.0309.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	233
GI	none	Score	377
Exons	2..226, 3..233		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83788	Strand	-
Start	1	End	433
Name	OJ000209_08.0309.C11.o3.ts	Method	TBLASTX:Soybean
Start	3	End	236
GI	none	Score	188
Exons	3..236		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83789	Strand	
Start	3679	End	5849
Name	OJ000209_08.0309.C11.o1.tc	Method	TBLASTX:Cress
Start	3679	End	5849
GI	none	Score	50
Exons	3679..3735, 3772..3954, 3795..3911, 3814..4005, 4073..4213, 4089..4292, 4101..4283, 4621..4869, 4953..5039, 5013..5261, 5037..5270, 5051..5260, 5075..5260, 5332..5481, 5334..5465, 5335..5481, 5337..5483, 5472..5570, 5473..5562, 5473..5562, 5655..5849, 5655..5849, 5660..5848		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83789	Strand	
Start	3679	End	5849
Name	OJ000209_08.0309.C11.o3.tm	Method	TBLASTX:Maize
Start	3838	End	4294
GI	none	Score	121
Exons	3838..4002, 4088..4294, 4089..4289		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83789	Strand	
Start	3679	End	5849
Name	OJ000209_08.0309.C11.o1.tm	Method	TBLASTX:Maize
Start	5054	End	5849
GI	none	Score	205
Exons	5054..5260, 5055..5270, 5337..5507, 5338..5511, 5473..5562, 5631..5849		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83789	Strand	
Start	3679	End	5849
Name	OJ000209_08.0309.C11.o2.ts	Method	TBLASTX:Soybean
Start	5055	End	5406
GI	none	Score	196
Exons	5055..5270, 5057..5260, 5335..5406		

Seq. No.	40483	Seq. ID	OJ000209_08.0309.C11
Gene No.	83789	Strand	
Start	3679	End	5849
Name	OJ000209_08.0309.C11.o1.ts	Method	TBLASTX:Soybean
Start	5407	End	5777
GI	none	Score	225
Exons	5407..5562, 5409..5561, 5650..5748, 5654..5767, 5655..5777		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906

Name	OJ000209_08.0309.C12.o1.gs	Method	GENSCAN
Start	450	End	1715
GI	none	Score	.52
Exons	450..1228, 1474..1715		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o1.np	Method	AAT/NAP
Start	450	End	1906
GI	7428834	Score	1016
Exons	450..1228, 1474..1715, 1888..1906		
GI Descrip.	probable P-glycoprotein pgp1 - Arabidopsis thaliana gi|3355477|gb|AAC27839.1| (AC004218) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o1.tc	Method	TBLASTX:Cress
Start	613	End	969
GI	none	Score	145
Exons	613..762, 621..758, 768..875, 772..900, 916..969		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o2.tm	Method	TBLASTX:Maize
Start	699	End	873
GI	none	Score	107
Exons	699..761, 700..762, 700..762, 766..873, 768..872		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o2.ts	Method	TBLASTX:Soybean
Start	795	End	1074
GI	none	Score	120
Exons	795..872, 796..873, 898..1074, 924..1073		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o1.tm	Method	TBLASTX:Maize
Start	898	End	1245
GI	none	Score	402
Exons	898..1224, 899..1225, 1036..1245, 1037..1225		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o2.tc	Method	TBLASTX:Cress
Start	976	End	1715
GI	none	Score	144
Exons	976..1233, 1467..1715, 1472..1564		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12

Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o1.ts	Method	TBLASTX:Soybean
Start	1467	End	1715
GI	none	Score	215
Exons	1467..1715, 1472..1564, 1646..1696		

Seq. No.	40484	Seq. ID	OJ000209_08.0309.C12
Gene No.	83790	Strand	+
Start	450	End	1906
Name	OJ000209_08.0309.C12.o3.tm	Method	TBLASTX:Maize
Start	1491	End	1715
GI	none	Score	191
Exons	1491..1715		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o2.tm	Method	TBLASTX:Maize
Start	175	End	540
GI	none	Score	368
Exons	175..474, 183..539, 192..539, 214..540		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o1.np	Method	AAT/NAP
Start	180	End	1442
GI	7019665	Score	1807
Exons	180..1442		
GI Descrip.	(AL132954) P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o1.ts	Method	TBLASTX:Soybean
Start	200	End	917
GI	none	Score	930
Exons	200..328, 213..917, 214..465, 428..916		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o1.gs	Method	GENSCAN
Start	396	End	1445
GI	none	Score	.41
Exons	396..1445		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o1.tc	Method	TBLASTX:Cress
Start	552	End	1070
GI	none	Score	686
Exons	552..1070, 552..1061, 554..1069		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13

Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o3.tm	Method	TBLASTX:Maize
Start	572	End	873
GI	none	Score	260
Exons	572..730, 573..731, 579..734, 734..871	580..732, 732..872, 733..873,	

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o3.ts	Method	TBLASTX:Soybean
Start	918	End	1154
GI	none	Score	242
Exons	918..1154, 926..1147		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o1.tm	Method	TBLASTX:Maize
Start	926	End	1453
GI	none	Score	749
Exons	926..1453, 927..1445		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o1.gp	Method	AAT/GAP
Start	955	End	1189
GI	uC-osflcyp073g07b1	Score	466
Exons	955..1189		
GI Descrip.	'3355477 5.0e-36 (AC004218) putative P-glycoprotein, pgp1 [Arabidopsis thaliana]'		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o2.tc	Method	TBLASTX:Cress
Start	1071	End	1408
GI	none	Score	154
Exons	1071..1190, 1073..1270, 1074..1274, 1296..1406, 1313..1408		

Seq. No.	40485	Seq. ID	OJ000209_08.0309.C13
Gene No.	83791	Strand	+
Start	180	End	1453
Name	OJ000209_08.0309.C13.o2.ts	Method	TBLASTX:Soybean
Start	1155	End	1445
GI	none	Score	372
Exons	1155..1445, 1160..1426		

Seq. No.	40486	Seq. ID	OJ000209_08.0309.C14
Gene No.	83792	Strand	+
Start	138	End	1458
Name	OJ000209_08.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	135	End	445
GI	none	Score	171
Exons	135..263, 140..238, 361..444, 362..445		

Seq. No.	40486	Seq. ID	OJ000209_08.0309.C14
Gene No.	83792	Strand	+
Start	138	End	1458
Name	OJ000209_08.0309.C14.o1.gp	Method	AAT/GAP
Start	138	End	1279
GI	uC-osflcyp155e10b1	Score	826
Exons	138..239, 362..483, 562..694, 1194..1279		
GI Descrip.	'3928166/emb|CAA09085.1| 8.0e-21 (AJ010317) Sand [Fugu rubripes]'		

Seq. No.	40486	Seq. ID	OJ000209_08.0309.C14
Gene No.	83792	Strand	+
Start	138	End	1458
Name	OJ000209_08.0309.C14.o1.tw	Method	TBLASTX:Wheat
Start	433	End	1443
GI	none	Score	75
Exons	433..489, 439..483, 440..499, 441..485, 536..697, 541..696, 552..701, 554..706, 1191..1286, 1192..1287, 1193..1291, 1320..1442, 1359..1442, 1360..1443, 1360..1443		

Seq. No.	40486	Seq. ID	OJ000209_08.0309.C14
Gene No.	83792	Strand	+
Start	138	End	1458
Name	OJ000209_08.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	605	End	1442
GI	none	Score	142
Exons	605..697, 610..696, 614..706, 615..701, 1191..1286, 1193..1291, 1312..1440, 1320..1442, 1358..1408, 1363..1440		

Seq. No.	40486	Seq. ID	OJ000209_08.0309.C14
Gene No.	83792	Strand	+
Start	138	End	1458
Name	OJ000209_08.0309.C14.o1.tc	Method	TBLASTX:Cress
Start	1197	End	1458
GI	none	Score	120
Exons	1197..1286, 1199..1285, 1357..1455, 1359..1454, 1360..1458		

Seq. No.	40486	Seq. ID	OJ000209_08.0309.C14
Gene No.	83792	Strand	+
Start	138	End	1458
Name	OJ000209_08.0309.C14.o2.ts	Method	TBLASTX:Soybean
Start	1209	End	1443
GI	none	Score	111
Exons	1209..1286, 1217..1291, 1358..1402, 1359..1442, 1359..1442, 1360..1443, 1360..1443		

Seq. No.	40487	Seq. ID	OJ000209_08.0309.C15
Gene No.	83793	Strand	+
Start	219	End	2076
Name	OJ000209_08.0309.C15.o1.tm	Method	TBLASTX:Maize
Start	213	End	2076
GI	none	Score	105
Exons	213..302, 216..284, 223..303, 386..682, 396..683, 401..691, 781..873, 782..874, 783..872, 784..873, 1759..1824, 1760..1828, 1762..1821, 1769..1825, 1965..2075, 1977..2075, 1978..2076, 1978..2076		

Seq. No.	40487	Seq. ID	OJ000209_08.0309.C15
Gene No.	83793	Strand	+
Start	219	End	2076
Name	OJ000209_08.0309.C15.o1.gs	Method	GENSCAN
Start	219	End	1825
GI	none	Score	.95
Exons	219..283, 398..685, 783..874, 1761..1825		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83794	Strand	+
Start	106	End	1436
Name	OJ000209_08.0309.C16.o1.gs	Method	GENSCAN
Start	106	End	1436
GI	none	Score	.91
Exons	106..247, 1325..1436		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83795	Strand	+
Start	2844	End	4065
Name	OJ000209_08.0309.C16.o1.gp	Method	AAT/GAP
Start	2773	End	4065
GI	717_5.R1084	Score	2356
Exons	2773..2976, 3058..4065		
GI Descrip.	'3695375 1.0e-103 (AF096370) contains similarity to the major intrinsic protein domain (Pfam: PF00230 MIP, E-value: 5.7e-111) [Arabidopsis thaliana]'		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83795	Strand	+
Start	2844	End	4065
Name	OJ000209_08.0309.C16.o1.np	Method	AAT/NAP
Start	2844	End	3680
GI	7441257	Score	1001
Exons	2844..2976, 3058..3680		
GI Descrip.	probable membrane channel protein F1104.1 - Arabidopsis thaliana gi|3695375|gb|AAC62778.1| (AF096370) contains similarity to the major intrinsic protein domain (Pfam: PF00230 MIP, E-value: 5.7e-111) [Arabidopsis thaliana] gi|7268190|emb|CAB77717.1| (AL161492) putative water channel protein [Arabidopsis thaliana]		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83795	Strand	+
Start	2844	End	4065
Name	OJ000209_08.0309.C16.o2.gs	Method	GENSCAN
Start	2844	End	3683
GI	none	Score	.96
Exons	2844..2976, 3058..3683		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83796	Strand	+
Start	4939	End	6011
Name	OJ000209_08.0309.C16.o3.gs	Method	GENSCAN
Start	4939	End	6011
GI	none	Score	.52
Exons	4939..5024, 5899..5962, 6006..6011		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83797	Strand	-
Start	6586	End	6750
Name	OJ000209_08.0309.C16.o1.ts	Method	TBLASTX:Soybean
Start	2828	End	3677
GI	none	Score	165
Exons	2828..2980, 2844..2999, 3060..3677, 3101..3676		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83797	Strand	-
Start	6586	End	6750
Name	OJ000209_08.0309.C16.o1.tc	Method	TBLASTX:Cress
Start	2843	End	3683
GI	none	Score	158
Exons	2843..2992, 2844..2993, 3060..3641, 3101..3601, 3633..3683, 3653..3682		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83797	Strand	-
Start	6586	End	6750
Name	OJ000209_08.0309.C16.o1.tm	Method	TBLASTX:Maize
Start	2843	End	3578
GI	none	Score	226
Exons	2843..2980, 2844..2981, 3060..3578, 3098..3577		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83797	Strand	-
Start	6586	End	6750
Name	OJ000209_08.0309.C16.o1.tw	Method	TBLASTX:Wheat
Start	2858	End	3641
GI	none	Score	88
Exons	2858..2980, 2904..2981, 3060..3308, 3131..3337, 3168..3362, 3333..3641, 3335..3601		

Seq. No.	40488	Seq. ID	OJ000209_08.0309.C16
Gene No.	83797	Strand	-
Start	6586	End	6750
Name	OJ000209_08.0309.C16.o4.gs	Method	GENSCAN
Start	6586	End	6750
GI	none	Score	.84
Exons	6586..6750		

Seq. No.	40489	Seq. ID	OJ000209_08.0309.C17
Gene No.	83798	Strand	-
Start	2628	End	2929
Name	OJ000209_08.0309.C17.o1.gs	Method	GENSCAN
Start	2628	End	2929
GI	none	Score	.5
Exons	2628..2702, 2867..2929		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83799	Strand	+
Start	1	End	137
Name	OJ000209_08.0309.C18.o1.np	Method	AAT/NAP
Start	1	End	137
GI	5777617	Score	92
Exons	1..137		

GI Descrip. (AJ245900) CAA30375.1 protein [Oryza sativa]

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83800	Strand	+
Start	426	End	4560
Name	OJ000209_08.0309.C18.o1.gs	Method	GENSCAN
Start	426	End	4560
GI	none	Score	.51
Exons	426..514, 942..1041, 1431..1810, 2484..2643, 3213..3598, 3845..4037, 4298..4396, 4468..4560		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83801	Strand	+
Start	14446	End	15709
Name	OJ000209_08.0309.C18.o3.np	Method	AAT/NAP
Start	14446	End	15709
GI	6063557	Score	407
Exons	14446..14633, 14882..15102, 15684..15709		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83801	Strand	+
Start	14446	End	15709
Name	OJ000209_08.0309.C18.o2.gp	Method	AAT/GAP
Start	14904	End	15063
GI	uC-osflcyp169h02b1	Score	214
Exons	14904..15063		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 3.0e-33 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83802	Strand	-
Start	6492	End	7204
Name	OJ000209_08.0309.C18.o2.gs	Method	GENSCAN
Start	6492	End	7204
GI	none	Score	.46
Exons	6492..6698, 7157..7204		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83803	Strand	-
Start	11025	End	14668
Name	OJ000209_08.0309.C18.o2.np	Method	AAT/NAP
Start	9922	End	11924
GI	3941480	Score	423
Exons	9922..9969, 11251..11590, 11802..11924		
GI Descrip.	(AF062894) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83803	Strand	-
Start	11025	End	14668
Name	OJ000209_08.0309.C18.o1.gp	Method	AAT/GAP
Start	10556	End	12145
GI	15546_1.R1084	Score	3133
Exons	10556..12145		
GI Descrip.	'3941480 2.0e-29 (AF062894) putative transcription factor [Arabidopsis thaliana]'		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83803	Strand	-
Start	11025	End	14668
Name	OJ000209_08.0309.C18.o3.gs	Method	GENSCAN
Start	11025	End	14668
GI	none	Score	.63
Exons	11025..11590, 11802..12066, 12648..12734, 13016..13164, 14389..14668		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83804	Strand	-
Start	15420	End	15565
Name	OJ000209_08.0309.C18.o1.tw	Method	TBLASTX:Wheat
Start	11389	End	11901
GI	none	Score	172
Exons	11389..11595, 11389..11472, 11391..11594, 11797..11901		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83804	Strand	-
Start	15420	End	15565
Name	OJ000209_08.0309.C18.o1.tc	Method	TBLASTX:Cress
Start	11391	End	11898
GI	none	Score	174
Exons	11391..11594, 11395..11592, 11785..11898, 11798..11893		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83804	Strand	-
Start	15420	End	15565
Name	OJ000209_08.0309.C18.o1.ts	Method	TBLASTX:Soybean
Start	11391	End	11901
GI	none	Score	178
Exons	11391..11591, 11395..11598, 11785..11901, 11786..11893		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83804	Strand	-
Start	15420	End	15565
Name	OJ000209_08.0309.C18.o1.tm	Method	TBLASTX:Maize
Start	11391	End	11902
GI	none	Score	150
Exons	11391..11594, 11395..11592, 11785..11898, 11786..11902		

Seq. No.	40490	Seq. ID	OJ000209_08.0309.C18
Gene No.	83804	Strand	-
Start	15420	End	15565
Name	OJ000209_08.0309.C18.o4.gs	Method	GENSCAN
Start	15420	End	15565
GI	none	Score	.96
Exons	15420..15565		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83805	Strand	+
Start	185	End	10552
Name	OJ000209_08.0309.C19.o1.gs	Method	GENSCAN
Start	185	End	9377
GI	none	Score	.55
Exons	185..835, 1001..1907, 2088..2198, 3252..3408, 3461..3845, 3931..4098, 4216..4341, 4434..4685, 4822..4969, 4994..5067,		

5160..5280, 5312..5427, 5500..5583, 5605..5627, 5656..5808,
5872..5919, 5939..5964, 6479..6583, 7705..8016, 9247..9377

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83805	Strand	+
Start	185	End	10552
Name	OJ000209_08.0309.C19.o1.np	Method	AAT/NAP
Start	272	End	10552
GI	7228438	Score	6325
Exons	272..2232, 3747..3845, 3931..4341, 4434..4733, 4810..5067, 5160..5342, 5500..5565, 9819..10121, 10292..10552		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83805	Strand	+
Start	185	End	10552
Name	OJ000209_08.0309.C19.o1.gp	Method	AAT/GAP
Start	1242	End	1673
GI	5701669	Score	825
Exons	1242..1673		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83805	Strand	+
Start	185	End	10552
Name	OJ000209_08.0309.C19.o2.gp	Method	AAT/GAP
Start	4560	End	5034
GI	LIB3475-007-P1-K1-G8	Score	716
Exons	4560..4733, 4810..5034		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83805	Strand	+
Start	185	End	10552
Name	OJ000209_08.0309.C19.o2.gs	Method	GENSCAN
Start	9634	End	10166
GI	none	Score	.66
Exons	9634..9636, 9819..9977, 10044..10166		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83806	Strand	+
Start	12446	End	13244
Name	OJ000209_08.0309.C19.o2.np	Method	AAT/NAP
Start	12395	End	13244
GI	4063743	Score	160
Exons	12395..12823, 13175..13244		
GI Descrip.	(AC005851) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83806	Strand	+
Start	12446	End	13244

Name	OJ000209_08.0309.C19.o3.gs	Method	GENSCAN
Start	12446	End	13193
GI	none	Score	.74
Exons	12446..13193		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83806	Strand	+
Start	12446	End	13244
Name	OJ000209_08.0309.C19.o7.gp	Method	AAT/GAP
Start	12816	End	13205
GI	LIB3433-025-P1-K1-H6	Score	696
Exons	12816..13205		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83807	Strand	-
Start	5969	End	6278
Name	OJ000209_08.0309.C19.o3.gp	Method	AAT/GAP
Start	5969	End	6278
GI	61605_3.R1084	Score	416
Exons	5969..6278		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83808	Strand	-
Start	6800	End	7227
Name	OJ000209_08.0309.C19.o4.gp	Method	AAT/GAP
Start	6800	End	7227
GI	2428185	Score	837
Exons	6800..7227		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83809	Strand	-
Start	7245	End	7979
Name	OJ000209_08.0309.C19.o5.gp	Method	AAT/GAP
Start	7245	End	7979
GI	101153_1.R1084	Score	701
Exons	7245..7473, 7796..7979		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83810	Strand	-
Start	8070	End	8380
Name	OJ000209_08.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	1199	End	1795
GI	none	Score	93
Exons	1199..1327, 1207..1305, 1361..1660, 1378..1599, 1724..1795		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83810	Strand	-
Start	8070	End	8380
Name	OJ000209_08.0309.C19.o1.tw	Method	TBLASTX:Wheat

Start	1493	End	1873
GI	none	Score	193
Exons	1493..1687, 1502..1699, 1697..1873, 1697..1873		

Seq. No.	40491	Seq. ID	OJ000209_08.0309.C19
Gene No.	83810	Strand	-
Start	8070	End	8380
Name	OJ000209_08.0309.C19.o6.gp	Method	AAT/GAP
Start	8070	End	8380
GI	2312818	Score	546
Exons	8070..8380		
GI Descrip.	5852170/emb|AL117265.1|OST17804 2.0e-27 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	40492	Seq. ID	OJ000209_08.0309.C20
Gene No.	83811	Strand	-
Start	32	End	1031
Name	OJ000209_08.0309.C20.o1.gs	Method	GENSCAN
Start	32	End	993
GI	none	Score	.83
Exons	32..62, 350..993		

Seq. No.	40492	Seq. ID	OJ000209_08.0309.C20
Gene No.	83811	Strand	-
Start	32	End	1031
Name	OJ000209_08.0309.C20.o1.np	Method	AAT/NAP
Start	294	End	1031
GI	2160165	Score	263
Exons	294..1031		
GI Descrip.	(AC000132) F21M12.11 gene product [Arabidopsis thaliana]		

Seq. No.	40492	Seq. ID	OJ000209_08.0309.C20
Gene No.	83811	Strand	-
Start	32	End	1031
Name	OJ000209_08.0309.C20.o1.gp	Method	AAT/GAP
Start	901	End	1031
GI	none	Score	258
Exons	901..1031		

Seq. No.	40493	Seq. ID	OJ000119_09.0315.C2
Gene No.	83812	Strand	-
Start	86	End	1168
Name	OJ000119_09.0315.C2.o1.np	Method	AAT/NAP
Start	86	End	243
GI	6815052	Score	175
Exons	86..243		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40493	Seq. ID	OJ000119_09.0315.C2
Gene No.	83812	Strand	-
Start	86	End	1168
Name	OJ000119_09.0315.C2.o1.gs	Method	GENSCAN
Start	90	End	1168
GI	none	Score	.58
Exons	90..274, 1116..1168		

Seq. No.	40493	Seq. ID	OJ000119_09.0315.C2

Gene No.	83813	Strand	-
Start	1774	End	2307
Name	OJ000119_09.0315.C2.o2.gs	Method	GENSCAN
Start	1774	End	2307
GI	none	Score	.4
Exons	1774..1920, 2287..2307		

Seq. No.	40494	Seq. ID	OJ000119_09.0315.C3
Gene No.	83814	Strand	+
Start	1	End	422
Name	OJ000119_09.0315.C3.o1.np	Method	AAT/NAP
Start	1	End	419
GI	6815052	Score	195
Exons	1..18, 301..419		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40494	Seq. ID	OJ000119_09.0315.C3
Gene No.	83814	Strand	+
Start	1	End	422
Name	OJ000119_09.0315.C3.o1.gs	Method	GENSCAN
Start	301	End	422
GI	none	Score	.65
Exons	301..422		

Seq. No.	40495	Seq. ID	OJ000119_09.0315.C5
Gene No.	83815	Strand	-
Start	1439	End	2768
Name	OJ000119_09.0315.C5.o1.gs	Method	GENSCAN
Start	1439	End	2768
GI	none	Score	.42
Exons	1439..2083, 2137..2339, 2447..2768		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o1.np	Method	AAT/NAP
Start	194	End	9301
GI	6815052	Score	2090
Exons	194..312, 595..670, 752..1450, 1498..1632, 2414..2506, 3377..3476, 8593..8710, 8992..9066, 9148..9301		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o3.tw	Method	TBLASTX:Wheat
Start	1687	End	2276
GI	none	Score	55
Exons	1687..2181, 1787..1945, 1891..2145, 2244..2276		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o2.gs	Method	GENSCAN
Start	6371	End	11667
GI	none	Score	.7
Exons	6371..6408, 7685..7831, 8036..8105, 8300..8588, 8593..8710,		

8992..9066, 9148..9316, 9924..9931, 10021..10185, 10357..10682, 10818..10908, 11571..11619, 11662..11667

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o1.gp	Method	AAT/GAP
Start	6851	End	7232
GI	uC-osflcyp033a04b1	Score	659
Exons	6851..7232		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o2.np	Method	AAT/NAP
Start	7411	End	11772
GI	6705984	Score	1962
Exons	7411..7439, 7755..7930, 9994..11772		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o2.tm	Method	TBLASTX:Maize
Start	9993	End	10369
GI	none	Score	108
Exons	9993..10304, 9995..10369		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o4.tw	Method	TBLASTX:Wheat
Start	9995	End	10393
GI	none	Score	70
Exons	9995..10393, 10157..10306		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	10118	End	10465
GI	none	Score	139
Exons	10118..10465, 10119..10457		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	10388	End	10856
GI	none	Score	159
Exons	10388..10855, 10419..10856		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772

Name	OJ000119_09.0315.C6.o2.tw	Method	TBLASTX:Wheat
Start	10442	End	10924
GI	none	Score	143
Exons	10442..10765, 10443..10805, 10838..10924		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o3.tm	Method	TBLASTX:Maize
Start	10880	End	11080
GI	none	Score	153
Exons	10880..11023, 10887..11024, 11027..11080		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	11234	End	11700
GI	none	Score	44
Exons	11234..11332, 11274..11330, 11332..11415, 11339..11416, 11372..11416, 11419..11700, 11453..11689		

Seq. No.	40496	Seq. ID	OJ000119_09.0315.C6
Gene No.	83816	Strand	-
Start	194	End	11772
Name	OJ000119_09.0315.C6.o2.ts	Method	TBLASTX:Soybean
Start	11267	End	11649
GI	none	Score	75
Exons	11267..11332, 11380..11649, 11384..11584		

Seq. No.	40497	Seq. ID	OJ000119_09.0315.C7
Gene No.	83817	Strand	-
Start	1	End	1525
Name	OJ000119_09.0315.C7.o1.np	Method	AAT/NAP
Start	1	End	1525
GI	6705984	Score	192
Exons	1..333, 1404..1525		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	40497	Seq. ID	OJ000119_09.0315.C7
Gene No.	83817	Strand	-
Start	1	End	1525
Name	OJ000119_09.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	67	End	290
GI	none	Score	88
Exons	67..234, 70..252, 71..253, 129..290		

Seq. No.	40498	Seq. ID	OJ000119_09.0315.C8
Gene No.	83818	Strand	-
Start	39	End	821
Name	OJ000119_09.0315.C8.o1.gs	Method	GENSCAN
Start	39	End	821
GI	none	Score	.75
Exons	39..211, 716..821		

Seq. No.	40499	Seq. ID	OJ000119_09.0315.C11
Gene No.	83819	Strand	+

Start	194	End	559
Name	OJ000119_09.0315.C11.o1.gs	Method	GENSCAN
Start	194	End	559
GI	none	Score	.61
Exons	194..559		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83820	Strand	+
Start	102	End	3399
Name	OJ000119_09.0315.C13.o1.gs	Method	GENSCAN
Start	102	End	3399
GI	none	Score	.55
Exons	102..438, 1447..2436, 2720..3104, 3165..3399		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83821	Strand	+
Start	6446	End	8660
Name	OJ000119_09.0315.C13.o2.np	Method	AAT/NAP
Start	6446	End	8660
GI	6498436	Score	141
Exons	6446..6539, 8549..8660		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83822	Strand	+
Start	10076	End	12290
Name	OJ000119_09.0315.C13.o4.np	Method	AAT/NAP
Start	10076	End	12290
GI	6498436	Score	156
Exons	10076..10142, 12157..12290		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83823	Strand	+
Start	14180	End	15530
Name	OJ000119_09.0315.C13.o5.np	Method	AAT/NAP
Start	14180	End	15530
GI	6815052	Score	281
Exons	14180..14224, 14814..14971, 15053..15127, 15412..15530		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83824	Strand	-
Start	3156	End	3498
Name	OJ000119_09.0315.C13.o1.gp	Method	AAT/GAP
Start	3156	End	3498
GI	25792_1.R1084	Score	644
Exons	3156..3498		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o3.tm	Method	TBLASTX:Maize
Start	1464	End	5867
GI	none	Score	143

Exons 1464..1685, 1482..1664, 5631..5867, 5644..5865

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o1.tw	Method	TBLASTX:Wheat
Start	1485	End	5870
GI	none	Score	82

Exons 1485..1664, 1506..1664, 1689..1979, 5282..5458, 5295..5645, 5299..5673, 5301..5654, 5497..5658, 5664..5870, 5682..5828, 5689..5853

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o2.ts	Method	TBLASTX:Soybean
Start	1503	End	5849
GI	none	Score	104

Exons 1503..1688, 1683..1877, 5457..5648, 5530..5649, 5673..5837, 5682..5849

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o2.gp	Method	AAT/GAP
Start	3673	End	4056
GI	2312718	Score	632

Exons 3673..4056

GI Descrip. 4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o2.gs	Method	GENSCAN
Start	3790	End	19840
GI	none	Score	.6

Exons 3790..3840, 3924..5928, 5949..6303, 7359..7383, 7421..7621, 8214..8324, 8343..8416, 8581..8676, 8734..8931, 9105..9321, 9327..9974, 12149..12330, 12583..12681, 14063..14305, 14846..14919, 16192..16381, 16930..17316, 17866..18126, 19654..19840

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o1.np	Method	AAT/NAP
Start	4013	End	6310
GI	6705984	Score	3867

Exons 4013..6310

GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o2.tm	Method	TBLASTX:Maize
Start	4056	End	4304

GI	none	Score	190
Exons	4056..4205, 4057..4197, 4188..4304		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o3.tw	Method	TBLASTX:Wheat
Start	4146	End	4383
GI	none	Score	107
Exons	4146..4328, 4146..4376, 4150..4383		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o1.ts	Method	TBLASTX:Soybean
Start	4404	End	4865
GI	none	Score	208
Exons	4404..4604, 4596..4865		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o1.tm	Method	TBLASTX:Maize
Start	4416	End	4679
GI	none	Score	131
Exons	4416..4679, 4434..4670, 4465..4674		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o2.tw	Method	TBLASTX:Wheat
Start	4434	End	4916
GI	none	Score	139
Exons	4434..4628, 4457..4642, 4462..4617, 4635..4916, 4647..4868, 4648..4908		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o3.gp	Method	AAT/GAP
Start	7332	End	7788
GI	25792_1.R1084	Score	891
Exons	7332..7788		
GI Descrip.	'4512233/dbj|AB014743.1|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o4.gp	Method	AAT/GAP
Start	7963	End	8348
GI	2312718	Score	628
Exons	7963..8348		
GI Descrip.	4512233/dbj|AB014743.1|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		
Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13

Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o3.np	Method	AAT/NAP
Start	9258	End	9956
GI	7488857	Score	319
Exons	9258..9956		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	40500	Seq. ID	OJ000119_09.0315.C13
Gene No.	83825	Strand	-
Start	3790	End	19840
Name	OJ000119_09.0315.C13.o4.tw	Method	TBLASTX:Wheat
Start	9567	End	9911
GI	none	Score	58
Exons	9567..9752, 9568..9678, 9795..9911		

Seq. No.	40501	Seq. ID	OJ000119_09.0315.C14
Gene No.	83826	Strand	-
Start	665	End	1353
Name	OJ000119_09.0315.C14.o1.gs	Method	GENSCAN
Start	665	End	1353
GI	none	Score	.79
Exons	665..908, 1189..1353		

Seq. No.	40502	Seq. ID	OJ000209_03.0309.C2
Gene No.	83827	Strand	+
Start	209	End	1784
Name	OJ000209_03.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	206	End	1163
GI	none	Score	180
Exons	206..328, 207..323, 208..324, 534..587, 535..588, 1045..1158, 1075..1158, 1077..1163		

Seq. No.	40502	Seq. ID	OJ000209_03.0309.C2
Gene No.	83827	Strand	+
Start	209	End	1784
Name	OJ000209_03.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	206	End	1158
GI	none	Score	180
Exons	206..328, 207..314, 208..315, 528..587, 535..588, 1075..1158, 1077..1157		

Seq. No.	40502	Seq. ID	OJ000209_03.0309.C2
Gene No.	83827	Strand	+
Start	209	End	1784
Name	OJ000209_03.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	206	End	1158
GI	none	Score	185
Exons	206..328, 207..317, 208..324, 518..586, 528..587, 535..588, 1075..1158, 1077..1157		

Seq. No.	40502	Seq. ID	OJ000209_03.0309.C2
Gene No.	83827	Strand	+
Start	209	End	1784
Name	OJ000209_03.0309.C2.o1.gp	Method	AAT/GAP

Start	209	End	1151
GI	17197_1.R1084	Score	396
Exons	209..317, 533..585, 1078..1151		
GI Descrip.	'3309086/gb|AAC26010.1| 3.0e-48 (AF076253) calcineurin B-like protein 3 [Arabidopsis thaliana] >gi_4938495_emb_CAB43853.1_ (AL078465) calcineurin B-like protein 3 [Arabidopsis thaliana]'		

Seq. No.	40502	Seq. ID	OJ000209_03.0309.C2
Gene No.	83827	Strand	+
Start	209	End	1784
Name	OJ000209_03.0309.C2.o1.gs	Method	GENSCAN
Start	209	End	1158
GI	none	Score	.82
Exons	209..317, 533..585, 1057..1158		

Seq. No.	40502	Seq. ID	OJ000209_03.0309.C2
Gene No.	83827	Strand	+
Start	209	End	1784
Name	OJ000209_03.0309.C2.o1.np	Method	AAT/NAP
Start	209	End	1784
GI	7487041	Score	298
Exons	209..317, 533..585, 1078..1158, 1766..1784		
GI Descrip.	hypothetical protein T15N24.20 - Arabidopsis thaliana gi|3309086|gb|AAC26010.1| (AF076253) calcineurin B-like protein 3 [Arabidopsis thaliana] gi|4938495|emb|CAB43853.1| (AL078465) calcineurin B-like protein 3 [Arabidopsis thaliana] gi|7269509|emb|CAB79512.1| (AL161565) calcineurin B-like protein 3 [Arabidopsis thaliana]		

Seq. No.	40503	Seq. ID	OJ000209_03.0309.C4
Gene No.	83828	Strand	-
Start	1	End	1385
Name	OJ000209_03.0309.C4.o1.np	Method	AAT/NAP
Start	1	End	1385
GI	2341042	Score	316
Exons	1..143, 224..314, 371..462, 1319..1385		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		

Seq. No.	40503	Seq. ID	OJ000209_03.0309.C4
Gene No.	83828	Strand	-
Start	1	End	1385
Name	OJ000209_03.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	13	End	436
GI	none	Score	130
Exons	13..51, 47..148, 57..143, 58..180, 217..294, 221..298, 225..293, 226..294, 371..436, 372..434, 388..435		

Seq. No.	40503	Seq. ID	OJ000209_03.0309.C4
Gene No.	83828	Strand	-
Start	1	End	1385
Name	OJ000209_03.0309.C4.o1.gs	Method	GENSCAN
Start	14	End	396
GI	none	Score	.52
Exons	14..158, 224..292, 373..396		

Seq. No.	40503	Seq. ID	OJ000209_03.0309.C4
Gene No.	83828	Strand	-

Start	1	End	1385
Name	OJ000209_03.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	94	End	463
GI	none	Score	106
Exons	94..147, 95..154, 96..176, 225..293, 225..293, 226..294, 226..294, 371..397, 372..410, 403..450, 404..463, 404..463		

Seq. No.	40503	Seq. ID	OJ000209_03.0309.C4
Gene No.	83828	Strand	-
Start	1	End	1385
Name	OJ000209_03.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	110	End	512
GI	none	Score	72
Exons	110..154, 111..161, 112..162, 225..293, 226..294, 371..478, 372..512		

Seq. No.	40504	Seq. ID	OJ000209_03.0309.C5
Gene No.	83829	Strand	+
Start	993	End	1617
Name	OJ000209_03.0309.C5.o1.gs	Method	GENSCAN
Start	993	End	1617
GI	none	Score	.68
Exons	993..1107, 1489..1617		

Seq. No.	40504	Seq. ID	OJ000209_03.0309.C5
Gene No.	83830	Strand	-
Start	1	End	930
Name	OJ000209_03.0309.C5.o1.np	Method	AAT/NAP
Start	1	End	930
GI	2341042	Score	181
Exons	1..72, 747..930		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		

Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o1.np	Method	AAT/NAP
Start	1	End	2819
GI	2341042	Score	580
Exons	1..444, 1144..1302, 1533..1912, 2534..2819		
GI Descrip.	(AC000104) F19P19.26 [Arabidopsis thaliana]		

Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o1.tc	Method	TBLASTX:Cress
Start	31	End	1254
GI	none	Score	249
Exons	31..252, 48..254, 258..362, 271..363, 367..414, 369..416, 745..855, 1162..1254		

Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o1.ts	Method	TBLASTX:Soybean
Start	33	End	195
GI	none	Score	189

Exons	33..194, 40..195		
Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o3.tm	Method	TBLASTX:Maize
Start	64	End	331
GI	none	Score	57
Exons	64..117, 64..141, 92..247, 120..248, 121..267, 261..323, 278..331, 280..327		
Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o1.gs	Method	GENSCAN
Start	172	End	2707
GI	none	Score	.76
Exons	172..414, 748..860, 1155..1302, 1533..1824, 1905..2092, 2345..2707		
Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o1.gp	Method	AAT/GAP
Start	336	End	1577
GI	none	Score	682
Exons	336..414, 748..860, 1155..1302, 1533..1577		
Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o2.tm	Method	TBLASTX:Maize
Start	1179	End	1791
GI	none	Score	157
Exons	1179..1304, 1183..1257, 1187..1303, 1531..1587, 1531..1587, 1587..1790, 1609..1791		
Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o1.tm	Method	TBLASTX:Maize
Start	2303	End	2819
GI	none	Score	83
Exons	2303..2431, 2342..2446, 2344..2433, 2425..2454, 2431..2457, 2471..2647, 2471..2506, 2473..2643, 2622..2705, 2649..2717, 2650..2715, 2659..2721, 2660..2722, 2708..2812, 2711..2812, 2718..2819, 2730..2819, 2760..2798		
Seq. No.	40505	Seq. ID	OJ000209_03.0309.C7
Gene No.	83831	Strand	+
Start	1	End	2819
Name	OJ000209_03.0309.C7.o2.gp	Method	AAT/GAP
Start	2481	End	2819
GI	2309909	Score	666
Exons	2481..2819		
Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8

Gene No.	83832	Strand	+
Start	50	End	744
Name	OJ000209_03.0309.C8.o1.gs	Method	GENSCAN
Start	50	End	744
GI	none	Score	.85
Exons	50..744		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83833	Strand	+
Start	2845	End	5094
Name	OJ000209_03.0309.C8.o2.gs	Method	GENSCAN
Start	2845	End	5094
GI	none	Score	.74
Exons	2845..5094		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83833	Strand	+
Start	2845	End	5094
Name	OJ000209_03.0309.C8.o2.np	Method	AAT/NAP
Start	2845	End	5091
GI	6175165	Score	2728
Exons	2845..5091		
GI Descrip.	(AC011437) Mutator-like transposase [Arabidopsis thaliana]		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83833	Strand	+
Start	2845	End	5094
Name	OJ000209_03.0309.C8.o1.gp	Method	AAT/GAP
Start	3934	End	4332
GI	286868	Score	791
Exons	3934..4332		
GI Descrip.	1946355 2.0e-48 (U93215) maize transposon MuDR mudrA protein isolog [Arabidopsis thaliana] >gi_2880040 (AC002340) maize transposon MuDR mudrA-like protein [Arabidopsis thaliana]		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o3.tm	Method	TBLASTX:Maize
Start	235	End	875
GI	none	Score	95
Exons	235..267, 250..339, 270..368, 364..435, 381..428, 436..570, 438..572, 445..576, 570..608, 590..751, 591..743, 607..744, 608..745, 759..788, 760..795, 794..829, 795..836, 795..836, 796..837, 839..865, 840..875		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o4.tm	Method	TBLASTX:Maize
Start	2839	End	3462
GI	none	Score	70
Exons	2839..2919, 2843..2920, 2844..2912, 2845..2922, 3088..3144, 3148..3282, 3160..3282, 3286..3462, 3286..3459, 3288..3461		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-

Start	6074	End	9303
Name	OJ000209_03.0309.C8.o5.ts	Method	TBLASTX:Soybean
Start	3355	End	3608
GI	none	Score	245
Exons	3355..3582, 3369..3608		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	3372	End	3795
GI	none	Score	669
Exons	3372..3794, 3373..3795, 3439..3795		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o2.tm	Method	TBLASTX:Maize
Start	3462	End	3885
GI	none	Score	284
Exons	3462..3761, 3462..3884, 3463..3885, 3463..3885		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o2.ts	Method	TBLASTX:Soybean
Start	3748	End	4002
GI	none	Score	345
Exons	3748..4002, 3748..3927, 3750..4001		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o5.tm	Method	TBLASTX:Maize
Start	3919	End	4401
GI	none	Score	65
Exons	3919..3975, 3975..4292, 3979..4308, 3979..4305, 4369..4401		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o4.ts	Method	TBLASTX:Soybean
Start	4019	End	4283
GI	none	Score	89
Exons	4019..4258, 4020..4283, 4021..4263		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o3.tc	Method	TBLASTX:Cress
Start	4229	End	4502
GI	none	Score	262
Exons	4229..4372, 4231..4497, 4231..4497, 4245..4502		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303

Name	OJ000209_03.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	4404	End	4970
GI	none	Score	878
Exons	4404..4919, 4405..4917, 4929..4970		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	4432	End	5099
GI	none	Score	256
Exons	4432..4680, 4432..4674, 4686..4898, 4687..4908, 4698..4946, 4929..5099, 5005..5097		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o2.tc	Method	TBLASTX:Cress
Start	4636	End	5094
GI	none	Score	67
Exons	4636..4680, 4641..4679, 4675..4905, 4683..4907, 4684..4908, 4698..4922, 4935..5090, 5002..5094		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	4687	End	5091
GI	none	Score	146
Exons	4687..4890, 5002..5091		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o3.gs	Method	GENSCAN
Start	6074	End	9279
GI	none	Score	.84
Exons	6074..6235, 6919..7103, 7993..8119, 8548..9279		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o3.np	Method	AAT/NAP
Start	6086	End	9303
GI	6175169	Score	1207
Exons	6086..6235, 6384..6522, 6618..6739, 6919..7149, 7241..7302, 7993..8119, 8548..8841, 8923..9303		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o3.ts	Method	TBLASTX:Soybean
Start	6393	End	7024
GI	none	Score	162
Exons	6393..6521, 6394..6522, 6394..6543, 6399..6524, 6617..6742, 6618..6743, 6643..6744, 6917..7024, 6919..7023		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o6.tm	Method	TBLASTX:Maize
Start	7020	End	8647
GI	none	Score	149
Exons	7020..7151, 7020..7151, 7021..7158, 7021..7164, 7240..7302, 7241..7306, 7242..7304, 7985..8122, 7986..8120, 7994..8128, 8536..8604, 8547..8603, 8548..8613, 8549..8614, 8605..8646, 8606..8647		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o6.ts	Method	TBLASTX:Soybean
Start	7241	End	9087
GI	none	Score	74
Exons	7241..7306, 7242..7304, 7983..8096, 7984..8097, 7985..8119, 7986..8123, 8551..8583, 8605..8766, 8623..8742, 8806..8841, 9013..9087		

Seq. No.	40506	Seq. ID	OJ000209_03.0309.C8
Gene No.	83834	Strand	-
Start	6074	End	9303
Name	OJ000209_03.0309.C8.o4.tc	Method	TBLASTX:Cress
Start	7247	End	8743
GI	none	Score	72
Exons	7247..7306, 7248..7304, 7985..8125, 7986..8102, 8548..8742, 8564..8743		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83835	Strand	+
Start	1942	End	10251
Name	OJ000209_03.0309.C9.o3.np	Method	AAT/NAP
Start	1942	End	10251
GI	6175183	Score	945
Exons	1942..1990, 4853..5223, 7840..8092, 8749..8897, 8983..9220, 9342..9568, 10087..10251		
GI Descrip.	(AC011437) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83835	Strand	+
Start	1942	End	10251
Name	OJ000209_03.0309.C9.o3.gp	Method	AAT/GAP
Start	4073	End	5221
GI	74744_1.R1084	Score	1139
Exons	4073..4179, 4736..5221		
GI Descrip.	'4538929/emb|CAB39665.1| 1.0e-18 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]'		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83835	Strand	+
Start	1942	End	10251
Name	OJ000209_03.0309.C9.o2.gs	Method	GENSCAN
Start	4741	End	9568
GI	none	Score	.61

Exons	4741..5068, 5108..5223, 7840..7966, 7976..8086, 8749..8897, 8983..9270, 9380..9568		
Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83835	Strand	+
Start	1942	End	10251
Name	OJ000209_03.0309.C9.o4.gp	Method	AAT/GAP
Start	7922	End	9568
GI	12964_1.R1084	Score	1417
Exons	7922..8086, 8749..8897, 8983..9270, 9380..9568		
GI Descrip.	'1946355 2.0e-48 (U93215) maize transposon MuDR mudrA protein isolog [Arabidopsis thaliana] >gi_2880040 (AC002340) maize transposon MuDR mudrA-like protein [Arabidopsis thaliana]'		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o1.gp	Method	AAT/GAP
Start	1	End	1394
GI	72767_1.R1084	Score	696
Exons	1..32, 192..432, 511..573, 1346..1394		
GI Descrip.	'2695925/emb|CAA10981| 3.0e-33 (AJ222776) hypothetical protein [Hordeum vulgare]'		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o2.np	Method	AAT/NAP
Start	1	End	3485
GI	3249039	Score	253
Exons	1..32, 192..432, 511..573, 1346..1437, 1531..1633, 1706..1908, 2009..2095, 2513..2641, 2868..2942, 3358..3485		
GI Descrip.	(AF071221) N-carbamyl-L-amino acid amidohydrolase [Arthrobacter aurescens]		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o1.np	Method	AAT/NAP
Start	1	End	379
GI	7489392	Score	267
Exons	1..32, 192..379		
GI Descrip.	N-carbamyl-L-amino acid amidohydrolase homolog - barley (fragment) gi|2695925|emb|CAA10981.1| (AJ222776) hypothetical protein [Hordeum vulgare]		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o1.ts	Method	TBLASTX:Soybean
Start	176	End	2944
GI	none	Score	135
Exons	176..433, 191..334, 246..377, 470..598, 492..575, 1335..1439, 1530..1634, 1531..1635, 1704..1859, 1704..1910, 1705..1911, 2009..2152, 2011..2097, 2512..2640, 2513..2641, 2867..2944, 2868..2918		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o1.gs	Method	GENSCAN
Start	192	End	3789
GI	none	Score	.92
Exons	192..432, 511..573, 1346..1479, 1531..1633, 1706..1908, 2513..2641, 2868..2942, 3337..3443, 3553..3789		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o1.tm	Method	TBLASTX:Maize
Start	236	End	3664
GI	none	Score	81
Exons	236..373, 236..283, 255..380, 283..432, 284..433, 286..384, 470..598, 492..575, 1335..1445, 1339..1440, 1530..1634, 1533..1634, 1697..1909, 1704..1910, 1705..1911, 2004..2096, 2009..2101, 2011..2139, 2011..2097, 2488..2640, 2489..2641, 2508..2654, 2512..2646, 2867..2944, 2868..2945, 2869..2949, 3354..3446, 3358..3444, 3550..3585, 3557..3580, 3628..3663, 3629..3664		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o2.tc	Method	TBLASTX:Cress
Start	299	End	1635
GI	none	Score	58
Exons	299..433, 303..377, 470..598, 492..575, 1335..1442, 1335..1442, 1530..1634, 1531..1635		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83836	Strand	-
Start	1	End	3789
Name	OJ000209_03.0309.C9.o2.gp	Method	AAT/GAP
Start	1714	End	3605
GI	21295_1.R1084	Score	1124
Exons	1714..1908, 2009..2095, 2513..2641, 2868..2942, 3358..3443, 3553..3605		
GI Descrip.	'3249039/gb|AAC24039.1| 5.0e-31 (AF071221) N-carbamyl-L-amino acid amidohydrolase [Arthrobacter aurescens]'		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83837	Strand	
Start	4733	End	9601
Name	OJ000209_03.0309.C9.o3.tm	Method	TBLASTX:Maize
Start	4733	End	5228
GI	none	Score	70
Exons	4733..4861, 4735..4875, 4910..4990, 4918..5010, 5005..5160, 5005..5160, 5043..5162, 5140..5226, 5146..5226, 5163..5228		

Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83837	Strand	
Start	4733	End	9601
Name	OJ000209_03.0309.C9.o2.ts	Method	TBLASTX:Soybean
Start	5014	End	7899

GI	none	Score	273
Exons	5014..5226, 5040..5228, 7840..7899		
Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83837	Strand	
Start	4733	End	9601
Name	OJ000209_03.0309.C9.o1.tc	Method	TBLASTX:Cress
Start	5148	End	8900
GI	none	Score	101
Exons	5148..5228, 5149..5226, 7840..7950, 7901..7951, 7980..8093, 7981..8088, 8745..8900, 8747..8890		
Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83837	Strand	
Start	4733	End	9601
Name	OJ000209_03.0309.C9.o4.tm	Method	TBLASTX:Maize
Start	7840	End	9020
GI	none	Score	355
Exons	7840..8085, 7840..8091, 7898..8104, 8747..8902, 8748..8906, 8750..8935, 8979..9020, 8979..9011		
Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83837	Strand	
Start	4733	End	9601
Name	OJ000209_03.0309.C9.o3.ts	Method	TBLASTX:Soybean
Start	8748	End	9601
GI	none	Score	180
Exons	8748..8906, 8756..8893, 9367..9408, 9376..9471, 9377..9493, 9392..9493, 9469..9564, 9476..9601, 9493..9564		
Seq. No.	40507	Seq. ID	OJ000209_03.0309.C9
Gene No.	83837	Strand	
Start	4733	End	9601
Name	OJ000209_03.0309.C9.o2.tm	Method	TBLASTX:Maize
Start	9065	End	9574
GI	none	Score	85
Exons	9065..9190, 9067..9114, 9071..9199, 9105..9215, 9166..9213, 9168..9227, 9181..9249, 9237..9269, 9237..9275, 9238..9276, 9373..9567, 9377..9574, 9377..9502, 9454..9567		
Seq. No.	40508	Seq. ID	OJ000209_03.0309.C11
Gene No.	83838	Strand	-
Start	461	End	857
Name	OJ000209_03.0309.C11.o1.np	Method	AAT/NAP
Start	461	End	857
GI	7487041	Score	135
Exons	461..524, 662..857		
GI Descrip.	hypothetical protein T15N24.20 - Arabidopsis thaliana gi|3309086|gb|AAC26010.1| (AF076253) calcineurin B-like protein 3 [Arabidopsis thaliana] gi|4938495|emb|CAB43853.1| (AL078465) calcineurin B-like protein 3 [Arabidopsis thaliana] gi|7269509|emb|CAB79512.1| (AL161565) calcineurin B-like protein 3 [Arabidopsis thaliana]		
Seq. No.	40508	Seq. ID	OJ000209_03.0309.C11
Gene No.	83838	Strand	-
Start	461	End	857

Name	OJ000209_03.0309.C11.o1.gp	Method	AAT/GAP
Start	462	End	744
GI	17197_1.R1084	Score	223
Exons	462..524, 662..744		
GI Descrip.	'3309086/gb|AAC26010.1| 3.0e-48 (AF076253) calcineurin B-like protein 3 [Arabidopsis thaliana] >gi_4938495_emb_CAB43853.1_ (AL078465) calcineurin B-like protein 3 [Arabidopsis thaliana]'		

Seq. No.	40508	Seq. ID	OJ000209_03.0309.C11
Gene No.	83838	Strand	-
Start	461	End	857
Name	OJ000209_03.0309.C11.o1.gs	Method	GENSCAN
Start	465	End	744
GI	none	Score	.98
Exons	465..524, 662..744		

Seq. No.	40509	Seq. ID	OJ000209_03.0309.C12
Gene No.	83839	Strand	+
Start	144	End	227
Name	OJ000209_03.0309.C12.o1.gs	Method	GENSCAN
Start	144	End	227
GI	none	Score	.51
Exons	144..227		

Seq. No.	40509	Seq. ID	OJ000209_03.0309.C12
Gene No.	83840	Strand	-
Start	410	End	896
Name	OJ000209_03.0309.C12.o1.gp	Method	AAT/GAP
Start	410	End	896
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	410..453, 842..896		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40510	Seq. ID	OJ000209_03.0309.C13
Gene No.	83841	Strand	+
Start	5	End	1030
Name	OJ000209_03.0309.C13.o1.gs	Method	GENSCAN
Start	5	End	1030
GI	none	Score	.71
Exons	5..37, 577..691, 858..1030		

Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o1.gp	Method	AAT/GAP
Start	1	End	187
GI	none	Score	362
Exons	1..187		

Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o2.ts	Method	TBLASTX:Soybean
Start	55	End	580
GI	none	Score	126

Exons	55..249, 69..323, 307..393, 318..386, 510..575, 521..580		
Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o1.np	Method	AAT/NAP
Start	66	End	1938
GI	4006886	Score	906
Exons	66..403, 523..581, 726..844, 934..992, 1083..1299, 1826..1938		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		
Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o1.gs	Method	GENSCAN
Start	113	End	1831
GI	none	Score	.51
Exons	113..403, 523..581, 726..844, 934..993, 1087..1299, 1826..1831		
Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o2.tc	Method	TBLASTX:Cress
Start	126	End	802
GI	none	Score	71
Exons	126..248, 157..249, 330..380, 337..393, 495..584, 497..583, 719..802, 726..782		
Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o1.tm	Method	TBLASTX:Maize
Start	136	End	1222
GI	none	Score	145
Exons	136..249, 138..383, 140..415, 310..417, 482..583, 498..584, 723..845, 726..794, 730..846, 920..994, 931..993, 1043..1219, 1087..1221, 1088..1222		
Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o1.ts	Method	TBLASTX:Soybean
Start	776	End	1936
GI	none	Score	37
Exons	776..802, 797..832, 928..990, 935..985, 1087..1305, 1088..1300, 1103..1306, 1818..1928, 1821..1928, 1826..1936		
Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o2.gp	Method	AAT/GAP
Start	789	End	1938
GI	LIB3477-009-P1-K1-A6	Score	804
Exons	789..844, 934..993, 1087..1299, 1826..1938		
GI Descrip.	'4006886/emb|CAB16816.1| 2.0e-52 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o1.tc	Method	TBLASTX:Cress
Start	1087	End	1936
GI	none	Score	179
Exons	1087..1305, 1088..1300, 1129..1305, 1131..1316, 1821..1928, 1826..1936, 1827..1928		

Seq. No.	40511	Seq. ID	OJ000209_03.0309.C14
Gene No.	83842	Strand	-
Start	1	End	1938
Name	OJ000209_03.0309.C14.o2.tm	Method	TBLASTX:Maize
Start	1223	End	1924
GI	none	Score	63
Exons	1223..1300, 1225..1305, 1818..1922, 1821..1907, 1826..1924, 1826..1924		

Seq. No.	40512	Seq. ID	OJ000209_03.0309.C15
Gene No.	83843	Strand	+
Start	1500	End	1682
Name	OJ000209_03.0309.C15.o1.np	Method	AAT/NAP
Start	1500	End	1682
GI	5852172	Score	85
Exons	1500..1682		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	40512	Seq. ID	OJ000209_03.0309.C15
Gene No.	83844	Strand	-
Start	299	End	1153
Name	OJ000209_03.0309.C15.o1.gs	Method	GENSCAN
Start	299	End	1153
GI	none	Score	.6
Exons	299..365, 482..545, 634..802, 1114..1153		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83845	Strand	+
Start	10975	End	11829
Name	OJ000209_03.0309.C17.o3.np	Method	AAT/NAP
Start	10222	End	11829
GI	4928401	Score	150
Exons	10222..10246, 11513..11688, 11755..11829		
GI Descrip.	(AF132015) RING-H2 zinc finger protein ATL5 [Arabidopsis thaliana]		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83845	Strand	+
Start	10975	End	11829
Name	OJ000209_03.0309.C17.o1.gp	Method	AAT/GAP
Start	10801	End	11199
GI	none	Score	790
Exons	10801..11199		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83845	Strand	+
Start	10975	End	11829
Name	OJ000209_03.0309.C17.o3.gs	Method	GENSCAN

Start	10975	End	11820
GI	none	Score	.72
Exons	10975..11820		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83846	Strand	-
Start	191	End	2058
Name	OJ000209_03.0309.C17.o1.np	Method	AAT/NAP
Start	191	End	2058
GI	7485708	Score	1223
Exons	191..1127, 1423..2058		
GI Descrip.	hypothetical protein F18B3.60 - Arabidopsis thaliana gi|4835229|emb|CAB42907.1| (AL049862) putative protein [Arabidopsis thaliana]		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83846	Strand	-
Start	191	End	2058
Name	OJ000209_03.0309.C17.o1.gs	Method	GENSCAN
Start	232	End	2013
GI	none	Score	.56
Exons	232..1127, 1423..2013		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o1.ts	Method	TBLASTX:Soybean
Start	204	End	603
GI	none	Score	36
Exons	204..233, 219..401, 243..602, 244..603		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o1.tc	Method	TBLASTX:Cress
Start	222	End	432
GI	none	Score	74
Exons	222..380, 246..431, 247..432		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o1.tm	Method	TBLASTX:Maize
Start	321	End	1080
GI	none	Score	338
Exons	321..716, 322..717, 736..849, 837..914, 843..968, 895..951, 948..1079, 949..1080		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o1.tw	Method	TBLASTX:Wheat
Start	375	End	738
GI	none	Score	262
Exons	375..737, 376..738		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17

Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o3.ts	Method	TBLASTX:Soybean
Start	843	End	1138
GI	none	Score	49
Exons	843..1016, 843..1052, 1032..1136, 1032..1136, 1033..1137, 1043..1138		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o2.tm	Method	TBLASTX:Maize
Start	1412	End	1740
GI	none	Score	63
Exons	1412..1474, 1423..1473, 1464..1544, 1465..1548, 1466..1543, 1597..1740, 1607..1738		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o4.ts	Method	TBLASTX:Soybean
Start	1420	End	1719
GI	none	Score	88
Exons	1420..1545, 1421..1543, 1597..1719		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o2.np	Method	AAT/NAP
Start	6908	End	7438
GI	4678202	Score	438
Exons	6908..7039, 7070..7438		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40513	Seq. ID	OJ000209_03.0309.C17
Gene No.	83847	Strand	-
Start	6908	End	7438
Name	OJ000209_03.0309.C17.o2.ts	Method	TBLASTX:Soybean
Start	7070	End	7415
GI	none	Score	113
Exons	7070..7195, 7071..7178, 7286..7411, 7326..7415		

Seq. No.	40514	Seq. ID	OJ000209_03.0309.C18
Gene No.	83848	Strand	+
Start	118	End	1335
Name	OJ000209_03.0309.C18.o1.gs	Method	GENSCAN
Start	118	End	1335
GI	none	Score	.47
Exons	118..365, 825..973, 1316..1335		

Seq. No.	40514	Seq. ID	OJ000209_03.0309.C18
Gene No.	83848	Strand	+
Start	118	End	1335
Name	OJ000209_03.0309.C18.o1.gp	Method	AAT/GAP
Start	1178	End	1281
GI	5867_1.R1084	Score	125
Exons	1178..1281		

GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	40514	Seq. ID	OJ000209_03.0309.C18
Gene No.	83849	Strand	-
Start	2012	End	2181
Name	OJ000209_03.0309.C18.o2.gs	Method	GENSCAN
Start	2012	End	2181
GI	none	Score	.48
Exons	2012..2181		

Seq. No.	40515	Seq. ID	OJ000209_03.0309.C19
Gene No.	83850	Strand	+
Start	281	End	2820
Name	OJ000209_03.0309.C19.o1.gs	Method	GENSCAN
Start	281	End	2094
GI	none	Score	.76
Exons	281..337, 346..458, 858..1122, 1542..1692, 1790..2094		

Seq. No.	40515	Seq. ID	OJ000209_03.0309.C19
Gene No.	83850	Strand	+
Start	281	End	2820
Name	OJ000209_03.0309.C19.o2.tm	Method	TBLASTX:Maize
Start	852	End	1035
GI	none	Score	114
Exons	852..941, 856..942, 856..945, 929..1033, 940..1035		

Seq. No.	40515	Seq. ID	OJ000209_03.0309.C19
Gene No.	83850	Strand	+
Start	281	End	2820
Name	OJ000209_03.0309.C19.o1.ts	Method	TBLASTX:Soybean
Start	856	End	1598
GI	none	Score	300
Exons	856..1125, 1038..1118, 1533..1598, 1548..1598		

Seq. No.	40515	Seq. ID	OJ000209_03.0309.C19
Gene No.	83850	Strand	+
Start	281	End	2820
Name	OJ000209_03.0309.C19.o1.np	Method	AAT/NAP
Start	858	End	2820
GI	5668803	Score	680
Exons	858..1122, 1542..1695, 1793..2044, 2801..2820		
GI Descrip.	(AC007519) F16N3.14 [Arabidopsis thaliana]		

Seq. No.	40515	Seq. ID	OJ000209_03.0309.C19
Gene No.	83850	Strand	+
Start	281	End	2820
Name	OJ000209_03.0309.C19.o1.tm	Method	TBLASTX:Maize
Start	1587	End	2010
GI	none	Score	150
Exons	1587..1694, 1587..1691, 1595..1693, 1783..2010, 1788..1994, 1832..1996		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83851	Strand	+
Start	1	End	2965
Name	OJ000209_03.0309.C20.o1.np	Method	AAT/NAP
Start	1	End	2965
GI	927428	Score	131
Exons	1..45, 1054..1342, 2939..2965		
GI Descrip.	(X86733) fis1 [Linum usitatissimum]		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83851	Strand	+
Start	1	End	2965
Name	OJ000209_03.0309.C20.o1.gs	Method	GENSCAN
Start	32	End	2189
GI	none	Score	.47
Exons	32..1180, 1724..1849, 2004..2189		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83851	Strand	+
Start	1	End	2965
Name	OJ000209_03.0309.C20.o1.gp	Method	AAT/GAP
Start	1363	End	1903
GI	27906_1.R1084	Score	1042
Exons	1363..1903		
GI Descrip.	'927428/emb|CAA60412| 4.0e-10 (X86733) fis1 [Linum usitatissimum]'		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83852	Strand	-
Start	3306	End	3739
Name	OJ000209_03.0309.C20.o1.tm	Method	TBLASTX:Maize
Start	1076	End	1553
GI	none	Score	195
Exons	1076..1279, 1079..1279, 1296..1334, 1334..1393, 1337..1393, 1364..1546, 1379..1546, 1386..1553		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83852	Strand	-
Start	3306	End	3739
Name	OJ000209_03.0309.C20.o1.ts	Method	TBLASTX:Soybean
Start	2533	End	2719
GI	none	Score	81
Exons	2533..2715, 2566..2715, 2582..2719		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83852	Strand	-
Start	3306	End	3739
Name	OJ000209_03.0309.C20.o2.gs	Method	GENSCAN
Start	3306	End	3611
GI	none	Score	.85
Exons	3306..3611		

Seq. No.	40516	Seq. ID	OJ000209_03.0309.C20
Gene No.	83852	Strand	-
Start	3306	End	3739
Name	OJ000209_03.0309.C20.o2.np	Method	AAT/NAP

Start	3315	End	3739
GI	7486158	Score	219
Exons	3315..3739		
GI Descrip.	hypothetical protein F26B6.10 - Arabidopsis thaliana gi|3242708|gb|AAC23760.1| (AC003040) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40517	Seq. ID	OJ000209_03.0309.C21
Gene No.	83853	Strand	-
Start	1	End	10509
Name	OJ000209_03.0309.C21.o1.np	Method	AAT/NAP
Start	1	End	10509
GI	7486158	Score	532
Exons	1..505, 2459..2615, 2681..2774, 5711..5885, 5931..6223, 10326..10509		
GI Descrip.	hypothetical protein F26B6.10 - Arabidopsis thaliana gi|3242708|gb|AAC23760.1| (AC003040) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40517	Seq. ID	OJ000209_03.0309.C21
Gene No.	83853	Strand	-
Start	1	End	10509
Name	OJ000209_03.0309.C21.o1.gs	Method	GENSCAN
Start	99	End	3546
GI	none	Score	1
Exons	99..569, 1438..1479, 2649..3546		

Seq. No.	40517	Seq. ID	OJ000209_03.0309.C21
Gene No.	83853	Strand	-
Start	1	End	10509
Name	OJ000209_03.0309.C21.o1.tw	Method	TBLASTX:Wheat
Start	2659	End	10005
GI	none	Score	94
Exons	2659..2772, 2659..2757, 2812..2955, 2819..2971, 5571..5687, 5572..5754, 5707..5802, 5721..5819, 5802..5867, 5802..5924, 9643..9753, 9685..9759, 9689..9760, 9796..9939, 9817..9927, 9943..10005		

Seq. No.	40517	Seq. ID	OJ000209_03.0309.C21
Gene No.	83853	Strand	-
Start	1	End	10509
Name	OJ000209_03.0309.C21.o2.gs	Method	GENSCAN
Start	5415	End	6467
GI	none	Score	.87
Exons	5415..5476, 5561..6467		

Seq. No.	40517	Seq. ID	OJ000209_03.0309.C21
Gene No.	83853	Strand	-
Start	1	End	10509
Name	OJ000209_03.0309.C21.o3.gs	Method	GENSCAN
Start	7243	End	10509
GI	none	Score	.97
Exons	7243..7580, 9633..10509		

Seq. No.	40518	Seq. ID	OJ000209_03.0309.C22
Gene No.	83854	Strand	+
Start	933	End	3480

Name	OJ000209_03.0309.C22.o1.gs	Method	GENSCAN
Start	933	End	3480
GI	none	Score	.6
Exons	933..1054, 2610..2670, 3100..3480		

Seq. No.	40518	Seq. ID	OJ000209_03.0309.C22
Gene No.	83855	Strand	-
Start	4009	End	4500
Name	OJ000209_03.0309.C22.o2.gs	Method	GENSCAN
Start	4009	End	4500
GI	none	Score	.53
Exons	4009..4045, 4181..4297, 4373..4500		

Seq. No.	40519	Seq. ID	OJ000209_03.0309.C23
Gene No.	83856	Strand	+
Start	95	End	235
Name	OJ000209_03.0309.C23.o1.gs	Method	GENSCAN
Start	95	End	235
GI	none	Score	.76
Exons	95..235		

Seq. No.	40520	Seq. ID	OJ000209_03.0309.C24
Gene No.	83857	Strand	+
Start	340	End	846
Name	OJ000209_03.0309.C24.o1.gs	Method	GENSCAN
Start	340	End	846
GI	none	Score	.75
Exons	340..414, 664..846		

Seq. No.	40520	Seq. ID	OJ000209_03.0309.C24
Gene No.	83858	Strand	+
Start	1942	End	3074
Name	OJ000209_03.0309.C24.o2.gs	Method	GENSCAN
Start	1942	End	3074
GI	none	Score	.99
Exons	1942..2253, 2952..3074		

Seq. No.	40520	Seq. ID	OJ000209_03.0309.C24
Gene No.	83859	Strand	+
Start	4457	End	11592
Name	OJ000209_03.0309.C24.o3.gs	Method	GENSCAN
Start	4457	End	11592
GI	none	Score	.53
Exons	4457..4535, 4734..5191, 5210..6235, 6394..6540, 6806..7012, 8404..8575, 8905..10022, 10101..10247, 10567..10911, 11332..11592		

Seq. No.	40520	Seq. ID	OJ000209_03.0309.C24
Gene No.	83860	Strand	+
Start	13506	End	16893
Name	OJ000209_03.0309.C24.o4.gs	Method	GENSCAN
Start	13506	End	16893
GI	none	Score	.56
Exons	13506..13559, 14035..14081, 14404..14631, 15046..15220, 15529..15633, 16460..16734, 16740..16893		

Seq. No.	40520	Seq. ID	OJ000209_03.0309.C24

Gene No.	83860	Strand	+
Start	13506	End	16893
Name	OJ000209_03.0309.C24.o2.np	Method	AAT/NAP
Start	15083	End	16514
GI	6907088	Score	1110
Exons	15083..15220, 15396..15633, 16130..16514		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40520	Seq. ID	OJ000209_03.0309.C24
Gene No.	83861	Strand	-
Start	14225	End	14735
Name	OJ000209_03.0309.C24.o1.gp	Method	AAT/GAP
Start	14225	End	14735
GI	38782_1.R1084	Score	818
Exons	14225..14735		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40521	Seq. ID	OJ000209_03.0309.C25
Gene No.	83862	Strand	+
Start	1305	End	3308
Name	OJ000209_03.0309.C25.o1.gs	Method	GENSCAN
Start	1305	End	3308
GI	none	Score	.95
Exons	1305..2387, 2477..2623, 2946..3308		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83863	Strand	+
Start	63	End	137
Name	OJ000209_03.0309.C26.o1.gs	Method	GENSCAN
Start	63	End	137
GI	none	Score	.61
Exons	63..137		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83864	Strand	+
Start	3805	End	6573
Name	OJ000209_03.0309.C26.o2.ts	Method	TBLASTX:Soybean
Start	2717	End	4518
GI	none	Score	75
Exons	2717..2788, 3621..3713, 3643..3690, 3778..3873, 3779..3871, 3981..4106, 3991..4113, 3995..4102, 4474..4518		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83864	Strand	+
Start	3805	End	6573
Name	OJ000209_03.0309.C26.o1.tc	Method	TBLASTX:Cress
Start	3643	End	4575
GI	none	Score	70
Exons	3643..3690, 3778..3873, 3778..3873, 3788..3886, 3981..4106, 3995..4102, 4474..4575, 4476..4574		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83864	Strand	+
Start	3805	End	6573
Name	OJ000209_03.0309.C26.o3.gs	Method	GENSCAN
Start	3805	End	6281

GI	none	Score	.76
Exons	3805..3873, 3990..4106, 5259..5372, 5547..5600, 5881..5928, 6120..6281		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83864	Strand	+
Start	3805	End	6573
Name	OJ000209_03.0309.C26.o1.gp	Method	AAT/GAP
Start	3983	End	5342
GI	428455	Score	551
Exons	3983..4106, 4477..4572, 5259..5342		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83864	Strand	+
Start	3805	End	6573
Name	OJ000209_03.0309.C26.o1.ts	Method	TBLASTX:Soybean
Start	4519	End	6573
GI	none	Score	89
Exons	4519..4575, 5258..5377, 5298..5372, 5541..5627, 5543..5602, 5875..5931, 5880..5930, 6113..6265, 6113..6265, 6117..6275, 6117..6272, 6388..6507, 6389..6505, 6392..6523, 6505..6573, 6506..6553		

Seq. No.	40522	Seq. ID	OJ000209_03.0309.C26
Gene No.	83864	Strand	+
Start	3805	End	6573
Name	OJ000209_03.0309.C26.o1.tm	Method	TBLASTX:Maize
Start	6149	End	6555
GI	none	Score	199
Exons	6149..6268, 6150..6275, 6153..6278, 6389..6553, 6391..6555, 6392..6553		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83865	Strand	+
Start	9581	End	9670
Name	OJ000119_05.0327.C1.o3.np	Method	AAT/NAP
Start	9581	End	9670
GI	4680183	Score	130
Exons	9581..9670		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o2.tm	Method	TBLASTX:Maize
Start	822	End	977
GI	none	Score	212
Exons	822..977, 839..976		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o1.np	Method	AAT/NAP
Start	832	End	8818
GI	2583127	Score	1083
Exons	832..973, 1974..2062, 2384..2498, 2589..2672, 2747..2780, 3375..3460, 3579..3769, 5604..5653, 6300..6390, 6813..6909,		

6991..7061, 7312..7408, 8569..8818
GI Descrip. (AC002387) putative O-sialoglycoprotein endopeptidase [Arabidopsis thaliana]

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o2.gs	Method	GENSCAN
Start	1965	End	7613
GI	none	Score	.66
Exons	1965..2062, 2384..2507, 3317..3460, 3579..3794, 5847..5890, 6813..6909, 7054..7236, 7356..7613		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o3.tm	Method	TBLASTX:Maize
Start	2598	End	2829
GI	none	Score	112
Exons	2598..2675, 2599..2673, 2603..2680, 2604..2690, 2744..2821, 2747..2827, 2748..2828, 2749..2829		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o1.tm	Method	TBLASTX:Maize
Start	3594	End	6397
GI	none	Score	207
Exons	3594..3770, 3594..3782, 3733..3774, 5602..5655, 5603..5656, 6285..6392, 6299..6391, 6299..6397, 6301..6393		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o1.gp	Method	AAT/GAP
Start	3685	End	6394
GI	LIB3431-009-P1-K1-A12	Score	351
Exons	3685..3769, 5604..5653, 6300..6394		

GI Descrip. '2583127 1.0e-26 (AC002387) putative sialoglycoprotease [Arabidopsis thaliana]'

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o2.np	Method	AAT/NAP
Start	7487	End	9548
GI	6721561	Score	138
Exons	7487..7689, 9444..9548		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719

Name	OJ000119_05.0327.C1.o3.gs	Method	GENSCAN
Start	8422	End	10548
GI	none	Score	.69
Exons	8422..8648, 9388..9496, 10067..10169, 10425..10548		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o4.np	Method	AAT/NAP
Start	8646	End	10719
GI	7340881	Score	132
Exons	8646..8674, 10404..10719		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	40523	Seq. ID	OJ000119_05.0327.C1
Gene No.	83866	Strand	-
Start	832	End	10719
Name	OJ000119_05.0327.C1.o2.gp	Method	AAT/GAP
Start	8862	End	8951
GI	uC-osf1cyp088b12b1	Score	125
Exons	8862..8951		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	40524	Seq. ID	OJ000119_05.0327.C2
Gene No.	83867	Strand	+
Start	235	End	1379
Name	OJ000119_05.0327.C2.o1.gs	Method	GENSCAN
Start	235	End	1379
GI	none	Score	.82
Exons	235..490, 904..1379		

Seq. No.	40524	Seq. ID	OJ000119_05.0327.C2
Gene No.	83868	Strand	-
Start	2041	End	4923
Name	OJ000119_05.0327.C2.o2.gs	Method	GENSCAN
Start	2041	End	4923
GI	none	Score	.45
Exons	2041..2137, 3971..4923		

Seq. No.	40524	Seq. ID	OJ000119_05.0327.C2
Gene No.	83868	Strand	-
Start	2041	End	4923
Name	OJ000119_05.0327.C2.o1.np	Method	AAT/NAP
Start	2422	End	3847
GI	5852084	Score	91
Exons	2422..2509, 3826..3847		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	40525	Seq. ID	OJ000119_05.0327.C4
Gene No.	83869	Strand	-
Start	889	End	1282
Name	OJ000119_05.0327.C4.o1.gp	Method	AAT/GAP
Start	889	End	1282
GI	none	Score	167
Exons	889..925, 1181..1282		

Seq. No.	40526	Seq. ID	OJ000119_05.0327.C5
Gene No.	83870	Strand	+
Start	869	End	8213
Name	OJ000119_05.0327.C5.o2.np	Method	AAT/NAP
Start	869	End	8213
GI	5852180	Score	631
Exons	869..903, 5323..5404, 6393..6509, 6561..6971, 7672..7724, 8182..8213		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	40526	Seq. ID	OJ000119_05.0327.C5
Gene No.	83871	Strand	-
Start	382	End	1396
Name	OJ000119_05.0327.C5.o1.gs	Method	GENSCAN
Start	382	End	1396
GI	none	Score	.91
Exons	382..491, 1171..1396		

Seq. No.	40526	Seq. ID	OJ000119_05.0327.C5
Gene No.	83872	Strand	-
Start	2694	End	8213
Name	OJ000119_05.0327.C5.o1.np	Method	AAT/NAP
Start	2694	End	8213
GI	7494472	Score	91
Exons	2694..2781, 3048..3126, 3272..3346, 3380..3513, 3631..3735, 8194..8213		
GI Descrip.	cnjB protein - Tetrahymena thermophila gi|161752|gb|AAC37171.1| (L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	40526	Seq. ID	OJ000119_05.0327.C5
Gene No.	83872	Strand	-
Start	2694	End	8213
Name	OJ000119_05.0327.C5.o1.gp	Method	AAT/GAP
Start	5253	End	5637
GI	uC-osf1cyp033a04b1	Score	620
Exons	5253..5637		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40526	Seq. ID	OJ000119_05.0327.C5
Gene No.	83872	Strand	-
Start	2694	End	8213
Name	OJ000119_05.0327.C5.o3.gs	Method	GENSCAN
Start	6072	End	7008
GI	none	Score	.4
Exons	6072..6157, 6415..7008		

Seq. No.	40527	Seq. ID	OJ000119_05.0327.C6
Gene No.	83873	Strand	-
Start	827	End	995
Name	OJ000119_05.0327.C6.o1.np	Method	AAT/NAP
Start	827	End	995
GI	7339719	Score	81
Exons	827..995		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40528	Seq. ID	OJ000119_05.0327.C7
Gene No.	83874	Strand	+
Start	546	End	1562
Name	OJ000119_05.0327.C7.o1.gs	Method	GENSCAN
Start	546	End	1562
GI	none	Score	.49
Exons	546..585, 1309..1562		

Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83875	Strand	+
Start	1	End	12956
Name	OJ000119_05.0327.C9.o2.np	Method	AAT/NAP
Start	1	End	12723
GI	4680207	Score	1165
Exons	1..22, 4855..5665, 10301..12078, 12127..12238, 12618..12723		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83875	Strand	+
Start	1	End	12956
Name	OJ000119_05.0327.C9.o2.gs	Method	GENSCAN
Start	3812	End	4287
GI	none	Score	.8
Exons	3812..3928, 4198..4287		

Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83875	Strand	+
Start	1	End	12956
Name	OJ000119_05.0327.C9.o3.gs	Method	GENSCAN
Start	4860	End	12956
GI	none	Score	.44
Exons	4860..5665, 6891..7446, 7771..7870, 10357..12221, 12409..12956		

Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83876	Strand	-
Start	1	End	328
Name	OJ000119_05.0327.C9.o1.np	Method	AAT/NAP
Start	1	End	328
GI	6539588	Score	99
Exons	1..328		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83876	Strand	-
Start	1	End	328
Name	OJ000119_05.0327.C9.o1.gs	Method	GENSCAN
Start	68	End	238
GI	none	Score	.57
Exons	68..238		

Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o1.tc	Method	TBLASTX:Cress
Start	5427	End	11285
GI	none	Score	73

Exons	5427..5489, 7164..7256, 7165..7257, 7252..7425, 7299..7424, 10455..10583, 10475..10582, 10578..10751, 10625..10750, 10857..10931, 11145..11285		
Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o2.tm	Method	TBLASTX:Maize
Start	6888	End	10543
GI	none	Score	129
Exons	6888..6971, 6889..7011, 7031..7111, 7138..7209, 7146..7217, 10214..10336, 10215..10337, 10359..10436, 10360..10437, 10460..10543, 10461..10532		
Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o1.ts	Method	TBLASTX:Soybean
Start	6931	End	11342
GI	none	Score	63
Exons	6931..7020, 7132..7206, 7183..7461, 10257..10346, 10298..10426, 10452..10535, 10475..10534, 10554..10769, 10647..10745, 10761..10835, 10854..10937, 11019..11075, 11172..11330, 11217..11342		
Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o2.tw	Method	TBLASTX:Wheat
Start	7138	End	10721
GI	none	Score	80
Exons	7138..7209, 7146..7424, 7204..7422, 10457..10531, 10461..10532, 10550..10702, 10551..10721		
Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o1.tm	Method	TBLASTX:Maize
Start	7222	End	10793
GI	none	Score	231
Exons	7222..7431, 7230..7427, 10548..10793, 10556..10792		
Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o1.tw	Method	TBLASTX:Wheat
Start	10722	End	11126
GI	none	Score	135
Exons	10722..10847, 10733..10843, 10851..10955, 10853..10963, 10962..11066, 11079..11126		
Seq. No.	40529	Seq. ID	OJ000119_05.0327.C9
Gene No.	83877	Strand	
Start	5427	End	11342
Name	OJ000119_05.0327.C9.o3.tm	Method	TBLASTX:Maize
Start	10845	End	11270
GI	none	Score	175

Exons	10845..11105, 11157..11270		
Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83878	Strand	+
Start	418	End	891
Name	OJ000119_05.0327.C10.o1.gp	Method	AAT/GAP
Start	418	End	891
GI	4332_1.R1084	Score	855
Exons	418..891		
GI Descrip.	'5690431/gb|AAD47084.1|AF165883_1 9.0e-20 (AF165883) prefoldin subunit 2 [Homo sapiens]'		
Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83879	Strand	+
Start	3158	End	3308
Name	OJ000119_05.0327.C10.o2.gp	Method	AAT/GAP
Start	3158	End	3308
GI	none	Score	229
Exons	3158..3308		
Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83880	Strand	-
Start	554	End	11043
Name	OJ000119_05.0327.C10.o1.gs	Method	GENSCAN
Start	554	End	10057
GI	none	Score	.4
Exons	554..1012, 2729..2829, 2994..3142, 3166..3359, 4235..4555, 5292..5643, 5701..5723, 5839..5940, 5987..6094, 6187..6448, 6553..6851, 6932..7045, 7187..7345, 7450..7619, 7708..7797, 7910..8026, 8470..10057		
Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83880	Strand	-
Start	554	End	11043
Name	OJ000119_05.0327.C10.o1.np	Method	AAT/NAP
Start	572	End	1019
GI	6563248	Score	280
Exons	572..1019		
GI Descrip.	(AF117237) prefoldin subunit 2 [Homo sapiens]		
Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83880	Strand	-
Start	554	End	11043
Name	OJ000119_05.0327.C10.o2.np	Method	AAT/NAP
Start	4235	End	11043
GI	7228438	Score	3321
Exons	4235..4656, 5944..6094, 6187..6448, 6553..6851, 6932..7339, 7425..7526, 9062..11043		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		
Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o1.ts	Method	TBLASTX:Soybean
Start	560	End	971

GI	none	Score	236
Exons	560..970, 561..863, 639..971, 707..958, 930..971		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o1.tm	Method	TBLASTX:Maize
Start	565	End	1014
GI	none	Score	358
Exons	565..1005, 566..1009, 697..1014		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o1.tc	Method	TBLASTX:Cress
Start	641	End	983
GI	none	Score	46
Exons	641..772, 735..770, 755..982, 759..863, 930..983		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o3.tw	Method	TBLASTX:Wheat
Start	7524	End	7706
GI	none	Score	108
Exons	7524..7643, 7525..7644, 7642..7704, 7653..7706		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o1.tw	Method	TBLASTX:Wheat
Start	9425	End	9802
GI	none	Score	66
Exons	9425..9598, 9436..9576, 9531..9599, 9623..9799, 9648..9800, 9653..9802		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o2.tm	Method	TBLASTX:Maize
Start	9500	End	10096
GI	none	Score	229
Exons	9500..9571, 9618..10091, 9629..10096		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o4.tm	Method	TBLASTX:Maize
Start	12561	End	12836
GI	none	Score	62
Exons	12561..12662, 12564..12644, 12657..12836, 12742..12819		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o2.tw	Method	TBLASTX:Wheat
Start	12927	End	13297

GI	none	Score	74
Exons	12927..13031, 12928..13206, 12929..13294, 12929..13297		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o3.tm	Method	TBLASTX:Maize
Start	13022	End	13487
GI	none	Score	124
Exons	13022..13060, 13121..13486, 13275..13487, 13305..13487		

Seq. No.	40530	Seq. ID	OJ000119_05.0327.C10
Gene No.	83881	Strand	-
Start	16390	End	17417
Name	OJ000119_05.0327.C10.o2.gs	Method	GENSCAN
Start	16390	End	17417
GI	none	Score	.78
Exons	16390..16537, 17328..17417		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83882	Strand	+
Start	1855	End	7584
Name	OJ000119_05.0327.C11.o1.gs	Method	GENSCAN
Start	1855	End	7584
GI	none	Score	.52
Exons	1855..1870, 2379..2739, 2921..3208, 3791..4289, 5711..5774, 6385..6758, 7096..7584		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83882	Strand	+
Start	1855	End	7584
Name	OJ000119_05.0327.C11.o1.np	Method	AAT/NAP
Start	3574	End	7581
GI	5668793	Score	1890
Exons	3574..3673, 3772..3835, 4077..4289, 5641..5774, 6331..6758, 6861..6992, 7096..7581		
GI Descrip.	(AC007519) Similar to gb|U39782 lysine and histidine specific transporter from Arabidopsis thaliana. EST gb|Z17527 comes from this gene.		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83883	Strand	+
Start	8655	End	8919
Name	OJ000119_05.0327.C11.o2.np	Method	AAT/NAP
Start	8655	End	8919
GI	7486358	Score	160
Exons	8655..8919		
GI Descrip.	hypothetical protein F3I3.40 - Arabidopsis thaliana gi|5262156|emb|CAB45785.1| (AL080237) putative protein [Arabidopsis thaliana] gi|7267599|emb|CAB80911.1| (AL161491) putative protein [Arabidopsis thaliana]		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o2.tm	Method	TBLASTX:Maize
Start	2960	End	7575

GI	none	Score	61
Exons	2960..2995, 7288..7341, 7288..7452, 7293..7574, 7293..7574, 7405..7575		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o2.ts	Method	TBLASTX:Soybean
Start	4102	End	5784
GI	none	Score	178
Exons	4102..4221, 4120..4182, 4158..4217, 5641..5784, 5642..5779		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o1.ts	Method	TBLASTX:Soybean
Start	6354	End	7437
GI	none	Score	444
Exons	6354..6758, 6362..6754, 6858..6992, 6863..6988, 7104..7424, 7105..7341, 7405..7437		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o1.tc	Method	TBLASTX:Cress
Start	6438	End	7272
GI	none	Score	424
Exons	6438..6758, 6438..6626, 6440..6754, 6858..6992, 6863..6988, 7096..7125, 7108..7224, 7128..7232, 7129..7233, 7207..7272, 7224..7268		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o1.tm	Method	TBLASTX:Maize
Start	6626	End	6992
GI	none	Score	176
Exons	6626..6757, 6627..6776, 6628..6759, 6856..6990, 6858..6992, 6859..6990, 6860..6991		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o4.tm	Method	TBLASTX:Maize
Start	7165	End	7287
GI	none	Score	191
Exons	7165..7287, 7170..7280		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o2.gs	Method	GENSCAN
Start	8426	End	9806
GI	none	Score	.5
Exons	8426..8442, 9487..9578, 9712..9806		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11

Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o3.tm	Method	TBLASTX:Maize
Start	8652	End	8866
GI	none	Score	227
Exons	8652..8828, 8652..8834, 8654..8866		

Seq. No.	40531	Seq. ID	OJ000119_05.0327.C11
Gene No.	83884	Strand	-
Start	8426	End	9806
Name	OJ000119_05.0327.C11.o3.ts	Method	TBLASTX:Soybean
Start	8652	End	8857
GI	none	Score	219
Exons	8652..8837, 8653..8838, 8654..8857, 8722..8838		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83885	Strand	+
Start	866	End	5094
Name	OJ000119_05.0327.C12.o1.np	Method	AAT/NAP
Start	866	End	2621
GI	7228450	Score	198
Exons	866..886, 2081..2159, 2296..2422, 2508..2621		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83885	Strand	+
Start	866	End	5094
Name	OJ000119_05.0327.C12.o1.gs	Method	GENSCAN
Start	1278	End	5094
GI	none	Score	.73
Exons	1278..1287, 1591..1712, 2116..2290, 2352..2496, 2748..2831, 3947..4063, 4369..4491, 4592..4713, 4922..5094		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83886	Strand	+
Start	5973	End	6325
Name	OJ000119_05.0327.C12.o2.gs	Method	GENSCAN
Start	5973	End	6325
GI	none	Score	.69
Exons	5973..6143, 6185..6325		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83887	Strand	+
Start	7192	End	10363
Name	OJ000119_05.0327.C12.o3.gs	Method	GENSCAN
Start	7192	End	10363
GI	none	Score	.65
Exons	7192..7202, 7482..7796, 8266..8501, 9738..9855, 10237..10363		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83887	Strand	+
Start	7192	End	10363
Name	OJ000119_05.0327.C12.o2.np	Method	AAT/NAP
Start	8309	End	10027
GI	4581114	Score	448
Exons	8309..8501, 9738..9855, 9928..10027		
GI Descrip.	(AC005825) putative HesB-like protein [Arabidopsis thaliana]		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83887	Strand	+
Start	7192	End	10363
Name	OJ000119_05.0327.C12.o1.gp	Method	AAT/GAP
Start	8362	End	10288
GI	1156_1.R1084	Score	1185
Exons	8362..8501, 9738..9855, 9928..10288		
GI Descrip.	'4582488/emb|CAB40377.1| 6.0e-28 (AL021768) putative protein [Arabidopsis thaliana]'		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83888	Strand	-
Start	8926	End	14542
Name	OJ000119_05.0327.C12.o3.np	Method	AAT/NAP
Start	8926	End	14542
GI	7486085	Score	340
Exons	8926..8992, 11648..12318, 12379..12467, 14391..14542		
GI Descrip.	hypothetical protein F24J7.161 - Arabidopsis thaliana gi|4582488|emb|CAB40377.1| (AL021768) putative protein [Arabidopsis thaliana] gi|7268756|emb|CAB78962.1| (AL161551) putative protein [Arabidopsis thaliana]		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83888	Strand	-
Start	8926	End	14542
Name	OJ000119_05.0327.C12.o2.gp	Method	AAT/GAP
Start	10967	End	11248
GI	3759154	Score	467
Exons	10967..11248		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83888	Strand	-
Start	8926	End	14542
Name	OJ000119_05.0327.C12.o4.gs	Method	GENSCAN
Start	11716	End	14517
GI	none	Score	.98
Exons	11716..12467, 14391..14517		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83889	Strand	-
Start	14453	End	14553
Name	OJ000119_05.0327.C12.o1.tc	Method	TBLASTX:Cress
Start	8303	End	10000
GI	none	Score	216
Exons	8303..8500, 8314..8406, 8436..8504, 9689..9853, 9719..9856, 9796..9855, 9925..9993, 9926..10000, 9932..9994		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83889	Strand	-
Start	14453	End	14553
Name	OJ000119_05.0327.C12.o1.ts	Method	TBLASTX:Soybean
Start	8309	End	9997
GI	none	Score	214
Exons	8309..8500, 9719..9856, 9737..9850, 9796..9855, 9925..9993, 9926..9997		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83889	Strand	-
Start	14453	End	14553
Name	OJ000119_05.0327.C12.o2.tm	Method	TBLASTX:Maize
Start	8348	End	9847
GI	none	Score	203
Exons	8348..8500, 9719..9847, 9737..9847		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83889	Strand	-
Start	14453	End	14553
Name	OJ000119_05.0327.C12.o1.tm	Method	TBLASTX:Maize
Start	11740	End	14553
GI	none	Score	39
Exons	11740..11856, 11744..11824, 11826..11909, 11833..12015, 11953..12015, 12015..12110, 12177..12293, 12178..12291, 12198..12293, 12199..12294, 12338..12472, 12340..12474, 14383..14553, 14392..14541		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83889	Strand	-
Start	14453	End	14553
Name	OJ000119_05.0327.C12.o2.ts	Method	TBLASTX:Soybean
Start	14392	End	14547
GI	none	Score	166
Exons	14392..14541, 14398..14547		

Seq. No.	40532	Seq. ID	OJ000119_05.0327.C12
Gene No.	83889	Strand	-
Start	14453	End	14553
Name	OJ000119_05.0327.C12.o3.gp	Method	AAT/GAP
Start	14453	End	14542
GI	3106565	Score	190
Exons	14453..14542		
GI Descrip.	4582488/emb|CAB40377.1| 6.0e-28 (AL021768) putative protein [Arabidopsis thaliana]		

Seq. No.	40533	Seq. ID	OJ000119_05.0327.C13
Gene No.	83890	Strand	-
Start	1	End	3874
Name	OJ000119_05.0327.C13.o1.np	Method	AAT/NAP
Start	1	End	3089
GI	5668773	Score	205
Exons	1..56, 1132..1217, 1749..1883, 3000..3089		
GI Descrip.	(AC005916) Contains similarity to gb|AF113001 silencing mediator of retinoic acid and thyroid hormone receptor alpha and gb|AF109179 cyclin T1 from Mus musculus. ESTs gb|N95317, gb|Z29139 and gb|Z30853 come from th...		

Seq. No.	40533	Seq. ID	OJ000119_05.0327.C13
Gene No.	83890	Strand	-
Start	1	End	3874
Name	OJ000119_05.0327.C13.o1.tm	Method	TBLASTX:Maize
Start	1131	End	1978
GI	none	Score	89
Exons	1131..1217, 1136..1216, 1740..1967, 1748..1978, 1749..1970		

Seq. No.	40533	Seq. ID	OJ000119_05.0327.C13
Gene No.	83890	Strand	-
Start	1	End	3874
Name	OJ000119_05.0327.C13.o1.tc	Method	TBLASTX:Cress
Start	1718	End	1885
GI	none	Score	148
Exons	1718..1885, 1740..1880		

Seq. No.	40533	Seq. ID	OJ000119_05.0327.C13
Gene No.	83890	Strand	-
Start	1	End	3874
Name	OJ000119_05.0327.C13.o1.ts	Method	TBLASTX:Soybean
Start	1757	End	1978
GI	none	Score	144
Exons	1757..1879, 1758..1895, 1898..1978		

Seq. No.	40533	Seq. ID	OJ000119_05.0327.C13
Gene No.	83890	Strand	-
Start	1	End	3874
Name	OJ000119_05.0327.C13.o1.gs	Method	GENSCAN
Start	2298	End	3874
GI	none	Score	.68
Exons	2298..2318, 2947..3042, 3283..3362, 3731..3874		

Seq. No.	40534	Seq. ID	OJ000119_05.0327.C14
Gene No.	83891	Strand	+
Start	222	End	1567
Name	OJ000119_05.0327.C14.o1.gs	Method	GENSCAN
Start	222	End	1567
GI	none	Score	.43
Exons	222..279, 1325..1567		

Seq. No.	40535	Seq. ID	OJ000119_05.0327.C15
Gene No.	83892	Strand	-
Start	271	End	1440
Name	OJ000119_05.0327.C15.o1.gs	Method	GENSCAN
Start	271	End	1440
GI	none	Score	.79
Exons	271..489, 1178..1262, 1325..1440		

Seq. No.	40535	Seq. ID	OJ000119_05.0327.C15
Gene No.	83893	Strand	-
Start	2079	End	3587
Name	OJ000119_05.0327.C15.o1.gp	Method	AAT/GAP
Start	2012	End	2435
GI	2311833	Score	793
Exons	2012..2435		

Seq. No.	40535	Seq. ID	OJ000119_05.0327.C15
Gene No.	83893	Strand	-
Start	2079	End	3587
Name	OJ000119_05.0327.C15.o2.gs	Method	GENSCAN
Start	2079	End	3587
GI	none	Score	.4
Exons	2079..2268, 2843..3209, 3447..3587		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2

Gene No.	83894	Strand	+
Start	6391	End	7262
Name	OJ000209_09.0323.C2.o2.gs	Method	GENSCAN
Start	6391	End	7262
GI	none	Score	.75
Exons	6391..6402, 7158..7262		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83895	Strand	-
Start	1	End	4259
Name	OJ000209_09.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	927
GI	4587987	Score	405
Exons	1..484, 641..927		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83895	Strand	-
Start	1	End	4259
Name	OJ000209_09.0323.C2.o1.gs	Method	GENSCAN
Start	205	End	4259
GI	none	Score	.9
Exons	205..484, 641..1946, 3218..4259		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83895	Strand	-
Start	1	End	4259
Name	OJ000209_09.0323.C2.o1.gp	Method	AAT/GAP
Start	3199	End	3596
GI	63220_1.R1084	Score	726
Exons	3199..3596		
GI Descrip.	'130187/sp|P10931|PHYA_ORYSA 2.0e-14 PHYTOCHROME A >gi_82499_pir__S03728 phytochrome (clone phy18) - rice >gi_20288_emb_CAA32375_ (X14172) phytochrome [Oryza sativa]'		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83896	Strand	-
Start	4525	End	6172
Name	OJ000209_09.0323.C2.o2.np	Method	AAT/NAP
Start	4525	End	6172
GI	6523547	Score	196
Exons	4525..4921, 5074..5235, 6026..6172		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	193	End	478
GI	none	Score	316
Exons	193..477, 201..476, 203..478		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-

Start	9046	End	9586
Name	OJ000209_09.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	193	End	877
GI	none	Score	435
Exons	193..489, 203..493, 204..503, 631..723, 632..712, 641..760, 714..767, 738..770, 765..833, 769..828, 845..877, 849..875		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o3.tc	Method	TBLASTX:Cress
Start	193	End	369
GI	none	Score	186
Exons	193..369, 203..367		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	247	End	489
GI	none	Score	219
Exons	247..486, 248..487, 254..487, 256..489, 288..488		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	1132	End	1789
GI	none	Score	139
Exons	1132..1788, 1135..1287, 1145..1789		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o2.tc	Method	TBLASTX:Cress
Start	1234	End	1535
GI	none	Score	157
Exons	1234..1533, 1235..1348, 1329..1535		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o4.tm	Method	TBLASTX:Maize
Start	3219	End	3509
GI	none	Score	146
Exons	3219..3350, 3220..3339, 3224..3349, 3225..3350, 3357..3455, 3373..3444, 3457..3507, 3462..3509		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o2.gp	Method	AAT/GAP
Start	7913	End	9094
GI	2798259	Score	845
Exons	7913..8220, 8944..9094		
GI Descrip.	130187/sp|P10931|PHYA_ORYSA 2.0e-14 PHYTOCHROME A >gi_82499_pir__S03728 phytochrome (clone phy18) - rice		

>gi_20288_emb_CAA32375_ (X14172) phytochrome [Oryza sativa]

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o3.np	Method	AAT/NAP
Start	8957	End	9586
GI	130187	Score	771
Exons	8957..9160, 9263..9586		
GI Descrip.	PHYTOCHROME A gi|82499|pir||S03728 phytochrome (clone phy18) - rice gi|20288|emb|CAA32375| (X14172) phytochrome [Oryza sativa]		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	8960	End	9569
GI	none	Score	122
Exons	8960..9064, 8964..9065, 8966..9067, 9067..9162, 9084..9164, 9261..9566, 9262..9567, 9262..9561, 9263..9562, 9387..9569		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	8966	End	9555
GI	none	Score	68
Exons	8966..9064, 8967..9056, 9109..9162, 9262..9552, 9373..9555		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	8966	End	9549
GI	none	Score	88
Exons	8966..9064, 8967..9059, 9082..9159, 9265..9549		

Seq. No.	40536	Seq. ID	OJ000209_09.0323.C2
Gene No.	83897	Strand	-
Start	9046	End	9586
Name	OJ000209_09.0323.C2.o3.gs	Method	GENSCAN
Start	9046	End	9537
GI	none	Score	.56
Exons	9046..9160, 9263..9471, 9499..9537		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83898	Strand	+
Start	6024	End	6104
Name	OJ000209_09.0323.C3.o3.gp	Method	AAT/GAP
Start	6024	End	6104
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	6024..6104		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3

Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o1.gp	Method	AAT/GAP
Start	1	End	334
GI	11859_1.R1084	Score	644
Exons	1..334		
GI Descrip.	'130187/sp|P10931|PHYA_ORYSA 1.0e-77 PHYTOCHROME A >gi_82499_pir__S03728 phytochrome (clone phy18) - rice >gi_20288_emb_CAA32375_ (X14172) phytochrome [Oryza sativa]'		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o3.tm	Method	TBLASTX:Maize
Start	1	End	405
GI	none	Score	367
Exons	1..399, 2..400, 184..405		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o1.np	Method	AAT/NAP
Start	1	End	3034
GI	130187	Score	4821
Exons	1..752, 970..3034		
GI Descrip.	PHYTOCHROME A gi|82499|pir||S03728 phytochrome (clone phy18) - rice gi|20288|emb|CAA32375| (X14172) phytochrome [Oryza sativa]		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o1.ts	Method	TBLASTX:Soybean
Start	14	End	3038
GI	none	Score	55
Exons	14..124, 22..717, 200..517, 394..603, 419..754, 549..755, 572..766, 952..1146, 968..1219, 969..1181, 1250..1525, 1254..1742, 1256..1759, 1769..1975, 1782..1952, 1946..2758, 2022..2096, 2090..2731, 2259..2756, 2756..2806, 2757..2807, 2831..2962, 2884..2907, 2991..3038		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o1.tc	Method	TBLASTX:Cress
Start	16	End	2971
GI	none	Score	40
Exons	16..717, 20..124, 200..517, 394..519, 477..587, 572..709, 968..1225, 969..1181, 989..1213, 1031..1135, 1259..1519, 1259..1759, 1275..1775, 1745..1969, 1758..1958, 1789..1971, 2012..2824, 2022..2222, 2053..2490, 2259..2801, 2813..2971		

Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o5.tm	Method	TBLASTX:Maize
Start	406	End	581
GI	none	Score	169

Exons	406..537, 407..517, 519..581, 520..579		
Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o2.tm	Method	TBLASTX:Maize
Start	582	End	1549
GI	none	Score	191
Exons	582..755, 583..717, 961..1002, 968..1003, 969..1004, 1000..1173, 1000..1548, 1007..1525, 1007..1549, 1345..1548		
Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o4.tm	Method	TBLASTX:Maize
Start	1550	End	1837
GI	none	Score	282
Exons	1550..1579, 1580..1810, 1581..1805, 1583..1810, 1793..1837		
Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	1953	End	2593
GI	none	Score	214
Exons	1953..2222, 1992..2591, 2003..2593, 2012..2593		
Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o2.gp	Method	AAT/GAP
Start	2627	End	5713
GI	uC-osroM202014e10b1	Score	952
Exons	2627..3088, 5676..5713		
GI Descrip.	'130187/sp|P10931|PHYA_ORYSA 3.0e-57 PHYTOCHROME A >gi_82499_pir__S03728 phytochrome (clone phy18) - rice >gi_20288_emb_CAA32375_ (X14172) phytochrome [Oryza sativa]'		
Seq. No.	40537	Seq. ID	OJ000209_09.0323.C3
Gene No.	83899	Strand	-
Start	1	End	5713
Name	OJ000209_09.0323.C3.o6.tm	Method	TBLASTX:Maize
Start	2633	End	2971
GI	none	Score	93
Exons	2633..2848, 2634..2795, 2711..2833, 2876..2971		
Seq. No.	40538	Seq. ID	OJ000209_09.0323.C4
Gene No.	83900	Strand	-
Start	1380	End	1612
Name	OJ000209_09.0323.C4.o1.np	Method	AAT/NAP
Start	1368	End	1612
GI	6899932	Score	114
Exons	1368..1612		
GI Descrip.	(AL138651) serine/threonine protein kinase-like protein [Arabidopsis thaliana]		
Seq. No.	40538	Seq. ID	OJ000209_09.0323.C4

Gene No.	83900	Strand	-
Start	1380	End	1612
Name	OJ000209_09.0323.C4.o1.gs	Method	GENSCAN
Start	1380	End	1493
GI	none	Score	1
Exons	1380..1493		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83901	Strand	+
Start	3591	End	3967
Name	OJ000209_09.0323.C5.o1.gp	Method	AAT/GAP
Start	3591	End	3967
GI	none	Score	718
Exons	3591..3967		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83902	Strand	-
Start	1	End	1674
Name	OJ000209_09.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	1674
GI	1871186	Score	742
Exons	1..25, 331..604, 981..1107, 1262..1525, 1579..1674		
GI Descrip.	(U90439) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83902	Strand	-
Start	1	End	1674
Name	OJ000209_09.0323.C5.o1.gs	Method	GENSCAN
Start	327	End	1674
GI	none	Score	.66
Exons	327..604, 981..1107, 1262..1512, 1593..1674		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83903	Strand	-
Start	3413	End	7330
Name	OJ000209_09.0323.C5.o2.gs	Method	GENSCAN
Start	3413	End	7168
GI	none	Score	.55
Exons	3413..3561, 3934..4486, 4544..4652, 4984..5540, 5936..6153, 6277..6352, 7091..7168		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83903	Strand	-
Start	3413	End	7330
Name	OJ000209_09.0323.C5.o2.np	Method	AAT/NAP
Start	3833	End	6372
GI	4102839	Score	2272
Exons	3833..4652, 4984..5540, 5936..6153, 6247..6372		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83903	Strand	-
Start	3413	End	7330
Name	OJ000209_09.0323.C5.o2.gp	Method	AAT/GAP
Start	4467	End	5188
GI	LIB3434-040-P1-K1-F12	Score	677
Exons	4467..4652, 4984..5188		

GI Descrip. '4102839 2.0e-43 (AF016713) LeOPT1 [Lycopersicon esculentum]'

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83903	Strand	-
Start	3413	End	7330
Name	OJ000209_09.0323.C5.o3.gp	Method	AAT/GAP
Start	5982	End	7330
GI	42736_1.R1084	Score	984
Exons	5982..6153, 6247..6352, 7091..7330		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	325	End	1029
GI	none	Score	255
Exons	325..606, 330..614, 964..1029		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	325	End	1465
GI	none	Score	260
Exons	325..615, 330..614, 964..1110, 974..1108, 1307..1390, 1397..1465		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o3.tm	Method	TBLASTX:Maize
Start	325	End	1465
GI	none	Score	253
Exons	325..606, 330..614, 964..1110, 974..1108, 1301..1465		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	3820	End	5526
GI	none	Score	846
Exons	3820..4593, 3863..4654, 3882..4655, 4449..4655, 4927..5265, 4958..5260, 4977..5270, 4985..5272, 5231..5326, 5245..5328, 5262..5330, 5298..5525, 5310..5525, 5314..5526		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	3839	End	6335
GI	none	Score	174
Exons	3839..4186, 3872..4648, 3885..4685, 4942..5541, 4989..5540, 5931..6155, 5936..6154, 6231..6335, 6242..6334		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-

Start	8023	End	8170
Name	OJ000209_09.0323.C5.o1.tw	Method	TBLASTX:Wheat
Start	3866	End	4166
GI	none	Score	188
Exons	3866..4165, 3873..4166		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	3872	End	6334
GI	none	Score	111
Exons	3872..4615, 3882..4241, 4217..4615, 4983..5471, 5014..5454, 5484..5540, 5894..5914, 5942..6148, 5949..6131, 6248..6334		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	5886	End	6341
GI	none	Score	110
Exons	5886..6041, 5927..6142, 5927..6166, 5931..6167, 5932..6177, 6231..6341, 6245..6334		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o2.tw	Method	TBLASTX:Wheat
Start	6020	End	6334
GI	none	Score	123
Exons	6020..6154, 6021..6155, 6096..6155, 6106..6156, 6231..6332, 6242..6334		

Seq. No.	40539	Seq. ID	OJ000209_09.0323.C5
Gene No.	83904	Strand	-
Start	8023	End	8170
Name	OJ000209_09.0323.C5.o4.gp	Method	AAT/GAP
Start	8023	End	8170
GI	3106672	Score	207
Exons	8023..8170		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83905	Strand	+
Start	10	End	16528
Name	OJ000209_09.0323.C7.o1.gs	Method	GENSCAN
Start	10	End	16528
GI	none	Score	.63
Exons	10..153, 253..303, 978..1079, 1469..1706, 1765..1870, 1990..2111, 2920..3071, 3549..3667, 4339..4530, 4970..5146, 8507..8695, 8874..9216, 14619..14819, 14893..15107, 15257..15510, 15642..15694, 16064..16528		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83905	Strand	+
Start	10	End	16528

Name	OJ000209_09.0323.C7.o1.gp	Method	AAT/GAP
Start	8548	End	16267
GI	21177_1.R1084	Score	2294
Exons	8548..8778, 8874..9078, 14619..14819, 14893..15107, 15257..15510, 15642..15694, 16064..16267		
GI Descrip.	'3252856 0.0e+00 (AF020425) glutamate decarboxylase isozyme 1 [Nicotiana tabacum]'		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83905	Strand	+
Start	10	End	16528
Name	OJ000209_09.0323.C7.o1.np	Method	AAT/NAP
Start	8693	End	16525
GI	2494174	Score	1997
Exons	8693..8778, 8874..9078, 14619..14819, 14893..15107, 15257..15510, 15642..15694, 16064..16525		
GI Descrip.	GLUTAMATE DECARBOXYLASE 1 (GAD 1) gi|497979 (U10034) glutamate decarboxylase [Arabidopsis thaliana]		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83906	Strand	+
Start	17567	End	24125
Name	OJ000209_09.0323.C7.o3.np	Method	AAT/NAP
Start	17567	End	24125
GI	5903085	Score	526
Exons	17567..17618, 20849..20913, 21264..21439, 21879..22007, 22145..22407, 22524..22618, 22693..22854, 23330..23423, 23562..23658, 23949..24125		
GI Descrip.	(AC008017) Putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83907	Strand	-
Start	16402	End	17895
Name	OJ000209_09.0323.C7.o2.np	Method	AAT/NAP
Start	16402	End	17895
GI	6069646	Score	181
Exons	16402..16526, 17250..17895		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83907	Strand	-
Start	16402	End	17895
Name	OJ000209_09.0323.C7.o2.gs	Method	GENSCAN
Start	16938	End	17806
GI	none	Score	.89
Exons	16938..17047, 17196..17511, 17690..17806		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o5.tm	Method	TBLASTX:Maize
Start	5436	End	17838
GI	none	Score	81

Exons 5436..5558, 17519..17584, 17647..17832, 17740..17838

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o1.tc	Method	TBLASTX:Cress
Start	8649	End	16534
GI	none	Score	52

Exons 8649..8708, 8686..8778, 8687..8779, 8871..9074, 8872..9078, 14613..14822, 14617..14760, 14618..14821, 14875..15102, 14887..15108, 14892..15116, 15254..15301, 15258..15518, 15258..15395, 15260..15511, 15353..15520, 15628..15693, 15632..15694, 16037..16393, 16063..16323, 16450..16527, 16451..16534

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o2.tw	Method	TBLASTX:Wheat
Start	8667	End	9078
GI	none	Score	39

Exons 8667..8708, 8694..8717, 8719..8778, 8720..8779, 8720..8779, 8871..9056, 8871..9077, 8872..9078

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o2.tm	Method	TBLASTX:Maize
Start	8689	End	14763
GI	none	Score	143

Exons 8689..8778, 8693..8782, 8693..8782, 8871..9074, 8872..9078, 14603..14761, 14613..14762, 14614..14763

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o1.ts	Method	TBLASTX:Soybean
Start	8723	End	16393
GI	none	Score	61

Exons 8723..8779, 8871..9050, 8872..9078, 8874..9077, 14613..14822, 14618..14821, 14887..15108, 14887..15105, 14889..15110, 15257..15511, 15258..15518, 15631..15693, 15632..15694, 16025..16249, 16037..16393, 16057..16326

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o1.tm	Method	TBLASTX:Maize
Start	14796	End	16557
GI	none	Score	36

Exons 14796..14822, 14798..14821, 14887..15108, 14890..15105, 14892..15116, 15254..15508, 15257..15511, 15258..15518, 15628..15693, 15631..15693, 15632..15694, 16037..16393, 16057..16326, 16298..16390, 16450..16557, 16451..16531

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-

Start	23513	End	24044
Name	OJ000209_09.0323.C7.o1.tw	Method	TBLASTX:Wheat
Start	15004	End	15508
GI	none	Score	162
Exons	15004..15108, 15004..15108, 15258..15506, 15258..15398, 15260..15508		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o3.tw	Method	TBLASTX:Wheat
Start	15631	End	16290
GI	none	Score	88
Exons	15631..15693, 15632..15694, 15649..15696, 16025..16249, 16037..16288, 16057..16290		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o4.tw	Method	TBLASTX:Wheat
Start	18872	End	19141
GI	none	Score	55
Exons	18872..18955, 18872..19132, 18876..19133, 19115..19141, 19116..19139		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o4.tm	Method	TBLASTX:Maize
Start	19425	End	19727
GI	none	Score	283
Exons	19425..19727, 19428..19628, 19430..19717, 19662..19718		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o3.tm	Method	TBLASTX:Maize
Start	21287	End	22615
GI	none	Score	72
Exons	21287..21343, 21288..21344, 21289..21345, 21350..21433, 21356..21448, 21357..21437, 21891..21944, 21936..22007, 21945..22007, 22130..22408, 22136..22411, 22144..22410, 22522..22614, 22526..22615		

Seq. No.	40540	Seq. ID	OJ000209_09.0323.C7
Gene No.	83908	Strand	-
Start	23513	End	24044
Name	OJ000209_09.0323.C7.o2.gp	Method	AAT/GAP
Start	23513	End	24044
GI	28932_1.R1084	Score	272
Exons	23513..23536, 23560..23657, 23948..24044		
GI Descrip.	'1839188 2.0e-39 (U86081) root hair defective 3 [Arabidopsis thaliana]'		

Seq. No.	40541	Seq. ID	OJ000209_09.0323.C8
Gene No.	83909	Strand	+
Start	49	End	2688

Name	OJ000209_09.0323.C8.o1.gs	Method	GENSCAN
Start	49	End	2688
GI	none	Score	.5
Exons	49..108, 2144..2196, 2625..2688		

Seq. No.	40541	Seq. ID	OJ000209_09.0323.C8
Gene No.	83910	Strand	+
Start	4412	End	6845
Name	OJ000209_09.0323.C8.o2.gs	Method	GENSCAN
Start	4412	End	6845
GI	none	Score	.4
Exons	4412..4593, 4994..5225, 6393..6560, 6669..6845		

Seq. No.	40541	Seq. ID	OJ000209_09.0323.C8
Gene No.	83911	Strand	-
Start	1	End	3982
Name	OJ000209_09.0323.C8.o1.np	Method	AAT/NAP
Start	1	End	3982
GI	7520176	Score	113
Exons	1..67, 2268..2520, 3959..3982		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 5 - Aristida longiseta chloroplast (fragment) gi|755825|gb|AAA64771.1| (U21966) NADH dehydrogenase F [Aristida longiseta]		

Seq. No.	40541	Seq. ID	OJ000209_09.0323.C8
Gene No.	83912	Strand	-
Start	9079	End	9145
Name	OJ000209_09.0323.C8.o3.gs	Method	GENSCAN
Start	9079	End	9145
GI	none	Score	.85
Exons	9079..9145		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83913	Strand	+
Start	6139	End	7569
Name	OJ000209_09.0323.C10.o2.gs	Method	GENSCAN
Start	6139	End	7569
GI	none	Score	.65
Exons	6139..6253, 6913..6989, 7008..7251, 7397..7569		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83914	Strand	+
Start	11756	End	15309
Name	OJ000209_09.0323.C10.o4.gs	Method	GENSCAN
Start	11756	End	12563
GI	none	Score	.99
Exons	11756..11849, 12271..12563		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83914	Strand	+
Start	11756	End	15309
Name	OJ000209_09.0323.C10.o2.np	Method	AAT/NAP
Start	12189	End	15309
GI	7339707	Score	72
Exons	12189..12451, 13020..13097, 13197..13568, 14235..14320, 14781..15066, 15157..15309		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83915	Strand	+
Start	18270	End	20009
Name	OJ000209_09.0323.C10.o7.gs	Method	GENSCAN
Start	18270	End	20009
GI	none	Score	.65
Exons	18270..18665, 19878..20009		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83916	Strand	-
Start	1043	End	1136
Name	OJ000209_09.0323.C10.o1.gp	Method	AAT/GAP
Start	1043	End	1136
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	1043..1136		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83917	Strand	-
Start	8113	End	10268
Name	OJ000209_09.0323.C10.o3.gs	Method	GENSCAN
Start	8113	End	10268
GI	none	Score	.49
Exons	8113..8127, 8404..8576, 9713..9817, 9887..10268		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83918	Strand	-
Start	12228	End	14380
Name	OJ000209_09.0323.C10.o1.np	Method	AAT/NAP
Start	12228	End	12798
GI	1703447	Score	261
Exons	12228..12587, 12618..12798		
GI Descrip.	L-ASPARAGINASE (L-ASPARAGINE AMIDOHYDROLASE) gi|496102 (L19141) L-asparaginase [Lupinus albus]		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83918	Strand	-
Start	12228	End	14380
Name	OJ000209_09.0323.C10.o5.gs	Method	GENSCAN
Start	12688	End	14380
GI	none	Score	.6
Exons	12688..12794, 12831..13036, 13152..13320, 14118..14205, 14225..14380		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83919	Strand	-
Start	14659	End	14991
Name	OJ000209_09.0323.C10.o2.gp	Method	AAT/GAP
Start	14659	End	14991
GI	5038945	Score	556
Exons	14659..14789, 14818..14991		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83920	Strand	-

Start	15167	End	16543
Name	OJ000209_09.0323.C10.o2.tc	Method	TBLASTX:Cress
Start	6135	End	7028
GI	none	Score	189
Exons	6135..6254, 6139..6255, 6956..6997, 6957..7028		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83920	Strand	-
Start	15167	End	16543
Name	OJ000209_09.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	12281	End	12462
GI	none	Score	187
Exons	12281..12460, 12282..12461, 12282..12461, 12283..12462		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83920	Strand	-
Start	15167	End	16543
Name	OJ000209_09.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	12282	End	12795
GI	none	Score	128
Exons	12282..12476, 12283..12474, 12471..12584, 12472..12588, 12712..12795		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83920	Strand	-
Start	15167	End	16543
Name	OJ000209_09.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	12282	End	12909
GI	none	Score	180
Exons	12282..12476, 12283..12474, 12449..12577, 12471..12536, 12471..12593, 12472..12594, 12709..12798, 12710..12799, 12835..12909		

Seq. No.	40542	Seq. ID	OJ000209_09.0323.C10
Gene No.	83920	Strand	-
Start	15167	End	16543
Name	OJ000209_09.0323.C10.o6.gs	Method	GENSCAN
Start	15167	End	16543
GI	none	Score	.62
Exons	15167..15282, 15684..15736, 15759..15946, 16344..16429, 16438..16543		

Seq. No.	40543	Seq. ID	OJ000209_09.0323.C11
Gene No.	83921	Strand	+
Start	1	End	758
Name	OJ000209_09.0323.C11.o1.np	Method	AAT/NAP
Start	1	End	758
GI	4680345	Score	384
Exons	1..266, 399..758		
GI Descrip.	(AF128457) putative receptor kinase [Oryza sativa subsp. indica]		

Seq. No.	40543	Seq. ID	OJ000209_09.0323.C11
Gene No.	83921	Strand	+
Start	1	End	758
Name	OJ000209_09.0323.C11.o2.np	Method	AAT/NAP
Start	1	End	758
GI	7486303	Score	63

Exons	1..95, 566..758		
GI Descrip.	hypothetical protein F28J12.40 - Arabidopsis thaliana gi|2832643|emb|CAA16718.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268631|emb|CAB78840.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40543	Seq. ID	OJ000209_09.0323.C11
Gene No.	83921	Strand	+
Start	1	End	758
Name	OJ000209_09.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	79	End	493
GI	none	Score	59
Exons	79..171, 163..309, 398..493		
Seq. No.	40543	Seq. ID	OJ000209_09.0323.C11
Gene No.	83921	Strand	+
Start	1	End	758
Name	OJ000209_09.0323.C11.o1.gs	Method	GENSCAN
Start	109	End	749
GI	none	Score	.44
Exons	109..304, 399..563, 594..749		
Seq. No.	40543	Seq. ID	OJ000209_09.0323.C11
Gene No.	83921	Strand	+
Start	1	End	758
Name	OJ000209_09.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	186	End	496
GI	none	Score	152
Exons	186..275, 187..309, 383..496, 397..486		
Seq. No.	40544	Seq. ID	OJ000209_09.0323.C13
Gene No.	83922	Strand	-
Start	1	End	231
Name	OJ000209_09.0323.C13.o1.np	Method	AAT/NAP
Start	1	End	226
GI	3941468	Score	301
Exons	1..226		
GI Descrip.	(AF062888) putative transcription factor [Arabidopsis thaliana]		
Seq. No.	40544	Seq. ID	OJ000209_09.0323.C13
Gene No.	83922	Strand	-
Start	1	End	231
Name	OJ000209_09.0323.C13.o1.tc	Method	TBLASTX:Cress
Start	3	End	231
GI	none	Score	242
Exons	3..227, 16..231		
Seq. No.	40544	Seq. ID	OJ000209_09.0323.C13
Gene No.	83922	Strand	-
Start	1	End	231
Name	OJ000209_09.0323.C13.o1.tm	Method	TBLASTX:Maize
Start	9	End	228
GI	none	Score	109
Exons	9..227, 11..97, 31..228		
Seq. No.	40544	Seq. ID	OJ000209_09.0323.C13
Gene No.	83922	Strand	-

Start	1	End	231
Name	OJ000209_09.0323.C13.o1.gs	Method	GENSCAN
Start	10	End	223
GI	none	Score	.53
Exons	10..223		

Seq. No.	40544	Seq. ID	OJ000209_09.0323.C13
Gene No.	83922	Strand	-
Start	1	End	231
Name	OJ000209_09.0323.C13.o1.ts	Method	TBLASTX:Soybean
Start	15	End	228
GI	none	Score	206
Exons	15..227, 19..228		

Seq. No.	40544	Seq. ID	OJ000209_09.0323.C13
Gene No.	83922	Strand	-
Start	1	End	231
Name	OJ000209_09.0323.C13.o1.tw	Method	TBLASTX:Wheat
Start	15	End	231
GI	none	Score	74
Exons	15..224, 31..231		

Seq. No.	40545	Seq. ID	OJ000229_09.0328.C4
Gene No.	83923	Strand	-
Start	60	End	996
Name	OJ000229_09.0328.C4.o1.gs	Method	GENSCAN
Start	60	End	996
GI	none	Score	.83
Exons	60..250, 954..996		

Seq. No.	40546	Seq. ID	OJ000229_09.0328.C5
Gene No.	83924	Strand	+
Start	376	End	861
Name	OJ000229_09.0328.C5.o1.gs	Method	GENSCAN
Start	376	End	861
GI	none	Score	.86
Exons	376..400, 727..861		

Seq. No.	40547	Seq. ID	OJ000229_09.0328.C11
Gene No.	83925	Strand	+
Start	8051	End	16157
Name	OJ000229_09.0328.C11.o3.gs	Method	GENSCAN
Start	8051	End	16157
GI	none	Score	.58
Exons	8051..8118, 8219..8370, 11172..11217, 14776..14868, 14944..15288, 15522..15630, 15930..16157		

Seq. No.	40547	Seq. ID	OJ000229_09.0328.C11
Gene No.	83926	Strand	-
Start	1136	End	2664
Name	OJ000229_09.0328.C11.o1.gs	Method	GENSCAN
Start	1136	End	2664
GI	none	Score	.84
Exons	1136..1282, 2283..2441, 2443..2664		

Seq. No.	40547	Seq. ID	OJ000229_09.0328.C11
Gene No.	83927	Strand	-

Start	3571	End	5570
Name	OJ000229_09.0328.C11.o2.gs	Method	GENSCAN
Start	3571	End	5217
GI	none	Score	.57
Exons	3571..5217		

Seq. No.	40547	Seq. ID	OJ000229_09.0328.C11
Gene No.	83927	Strand	-
Start	3571	End	5570
Name	OJ000229_09.0328.C11.o1.np	Method	AAT/NAP
Start	3595	End	5570
GI	7406458	Score	606
Exons	3595..5280, 5526..5570		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	40547	Seq. ID	OJ000229_09.0328.C11
Gene No.	83927	Strand	-
Start	3571	End	5570
Name	OJ000229_09.0328.C11.o1.ts	Method	TBLASTX:Soybean
Start	3655	End	3906
GI	none	Score	54
Exons	3655..3780, 3680..3781, 3760..3906, 3797..3856		

Seq. No.	40547	Seq. ID	OJ000229_09.0328.C11
Gene No.	83927	Strand	-
Start	3571	End	5570
Name	OJ000229_09.0328.C11.o1.gp	Method	AAT/GAP
Start	4379	End	4719
GI	3061236	Score	663
Exons	4379..4719		

Seq. No.	40548	Seq. ID	OJ000229_09.0328.C12
Gene No.	83928	Strand	-
Start	42	End	327
Name	OJ000229_09.0328.C12.o1.gs	Method	GENSCAN
Start	42	End	327
GI	none	Score	.78
Exons	42..327		

Seq. No.	40548	Seq. ID	OJ000229_09.0328.C12
Gene No.	83929	Strand	-
Start	1487	End	1569
Name	OJ000229_09.0328.C12.o2.gs	Method	GENSCAN
Start	1487	End	1569
GI	none	Score	.69
Exons	1487..1569		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83930	Strand	+
Start	1161	End	5281
Name	OJ000229_09.0328.C13.o1.gp	Method	AAT/GAP
Start	1161	End	2108
GI	none	Score	874
Exons	1161..1555, 2035..2108		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83930	Strand	+

Start	1161	End	5281
Name	OJ000229_09.0328.C13.o1.gs	Method	GENSCAN
Start	1193	End	5168
GI	none	Score	.74
Exons	1193..1298, 1364..1555, 1896..1975, 2206..2337, 3992..4052, 4172..4239, 4434..4652, 4791..5168		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83930	Strand	+
Start	1161	End	5281
Name	OJ000229_09.0328.C13.o1.np	Method	AAT/NAP
Start	1264	End	5162
GI	7486544	Score	301
Exons	1264..1399, 1480..1689, 2055..2154, 2206..2337, 4434..4620, 4791..4941, 5056..5162		
GI Descrip.	hypothetical protein F6N15.24 - Arabidopsis thaliana gi|3193332|gb|AAC19314.1| (AF069299) similar to Arabidopsis AT-hook protein 1 (GB:AJ222585) [Arabidopsis thaliana] gi|7267107|emb|CAB80778.1| (AL161471) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83930	Strand	+
Start	1161	End	5281
Name	OJ000229_09.0328.C13.o2.gp	Method	AAT/GAP
Start	4925	End	5281
GI	5003392	Score	688
Exons	4925..5281		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83931	Strand	+
Start	8308	End	8751
Name	OJ000229_09.0328.C13.o2.np	Method	AAT/NAP
Start	8275	End	8730
GI	6143874	Score	253
Exons	8275..8730		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83931	Strand	+
Start	8308	End	8751
Name	OJ000229_09.0328.C13.o3.gs	Method	GENSCAN
Start	8308	End	8751
GI	none	Score	.47
Exons	8308..8751		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83932	Strand	+
Start	10776	End	11157
Name	OJ000229_09.0328.C13.o3.gp	Method	AAT/GAP
Start	10776	End	11157
GI	3768823	Score	553
Exons	10776..11157		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83933	Strand	+
Start	14631	End	17643

Name	OJ000229_09.0328.C13.o4.np	Method	AAT/NAP
Start	14631	End	17255
GI	4580397	Score	664
Exons	14631..14839, 14897..14987, 15024..15329, 15423..15511, 15627..15726, 15970..16251, 16622..16764, 17000..17255		
GI Descrip.	(AC007171) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83933	Strand	+
Start	14631	End	17643
Name	OJ000229_09.0328.C13.o6.gs	Method	GENSCAN
Start	14631	End	17643
GI	none	Score	.8
Exons	14631..15329, 15423..15511, 15627..15726, 15970..16089, 16577..16746, 16979..17135, 17578..17643		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83933	Strand	+
Start	14631	End	17643
Name	OJ000229_09.0328.C13.o4.gp	Method	AAT/GAP
Start	15450	End	16760
GI	16381_1.R1084	Score	1059
Exons	15450..15511, 15627..15726, 15970..16227, 16577..16760		
GI Descrip.	'4580397/gb|AAD24375.1|AC007171_11 6.0e-28 (AC007171) putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83933	Strand	+
Start	14631	End	17643
Name	OJ000229_09.0328.C13.o5.gp	Method	AAT/GAP
Start	17185	End	17482
GI	none	Score	493
Exons	17185..17482		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83934	Strand	-
Start	5890	End	7396
Name	OJ000229_09.0328.C13.o2.gs	Method	GENSCAN
Start	5890	End	7396
GI	none	Score	.56
Exons	5890..6207, 7304..7396		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83935	Strand	-
Start	9437	End	9863
Name	OJ000229_09.0328.C13.o4.gs	Method	GENSCAN
Start	9437	End	9863
GI	none	Score	.87
Exons	9437..9754, 9759..9863		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83935	Strand	-
Start	9437	End	9863
Name	OJ000229_09.0328.C13.o3.np	Method	AAT/NAP
Start	9500	End	9723
GI	4559339	Score	91

Exons	9500..9723		
GI Descrip.	(AC007087) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83936	Strand	-
Start	11413	End	13720
Name	OJ000229_09.0328.C13.o4.tm	Method	TBLASTX:Maize
Start	2070	End	4939
GI	none	Score	52
Exons	2070..2102, 2072..2104, 2205..2336, 2206..2337, 4431..4505, 4431..4493, 4433..4555, 4472..4594, 4491..4676, 4787..4843, 4788..4841, 4913..4939		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83936	Strand	-
Start	11413	End	13720
Name	OJ000229_09.0328.C13.o1.tw	Method	TBLASTX:Wheat
Start	8307	End	8598
GI	none	Score	218
Exons	8307..8492, 8329..8508, 8467..8598, 8472..8561, 8573..8596		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83936	Strand	-
Start	11413	End	13720
Name	OJ000229_09.0328.C13.o2.tm	Method	TBLASTX:Maize
Start	8313	End	8598
GI	none	Score	242
Exons	8313..8492, 8326..8508, 8472..8561, 8473..8598, 8573..8596		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83936	Strand	-
Start	11413	End	13720
Name	OJ000229_09.0328.C13.o2.tc	Method	TBLASTX:Cress
Start	8377	End	8598
GI	none	Score	91
Exons	8377..8466, 8379..8465, 8484..8546, 8485..8598		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83936	Strand	-
Start	11413	End	13720
Name	OJ000229_09.0328.C13.o5.gs	Method	GENSCAN
Start	11413	End	13720
GI	none	Score	.43
Exons	11413..11492, 11619..11724, 12370..12443, 12737..12906, 13036..13189, 13350..13554, 13601..13720		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83937	Strand	
Start	15032	End	17253
Name	OJ000229_09.0328.C13.o1.tm	Method	TBLASTX:Maize
Start	15032	End	15648
GI	none	Score	86
Exons	15032..15070, 15033..15092, 15078..15332, 15107..15331, 15132..15335, 15419..15511, 15420..15512, 15628..15648		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13

Gene No.	83937	Strand	
Start	15032	End	17253
Name	OJ000229_09.0328.C13.o1.ts	Method	TBLASTX:Soybean
Start	15174	End	16074
GI	none	Score	141
Exons	15174..15332, 15179..15331, 15420..15512, 15422..15496, 15628..15729, 15630..15731, 15970..16074		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83937	Strand	
Start	15032	End	17253
Name	OJ000229_09.0328.C13.o1.tc	Method	TBLASTX:Cress
Start	15212	End	15726
GI	none	Score	63
Exons	15212..15310, 15255..15332, 15420..15512, 15422..15511, 15627..15725, 15628..15726		

Seq. No.	40549	Seq. ID	OJ000229_09.0328.C13
Gene No.	83937	Strand	
Start	15032	End	17253
Name	OJ000229_09.0328.C13.o3.tm	Method	TBLASTX:Maize
Start	15676	End	17253
GI	none	Score	68
Exons	15676..15729, 15969..16124, 15969..16130, 15970..16125, 16126..16230, 16128..16232, 16557..16745, 16558..16746, 16574..16753, 16576..16752, 16943..17251, 16969..17040, 16977..17252, 17095..17253		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83938	Strand	+
Start	589	End	893
Name	OJ000229_09.0328.C14.o1.gs	Method	GENSCAN
Start	589	End	893
GI	none	Score	.63
Exons	589..893		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83939	Strand	+
Start	1905	End	3174
Name	OJ000229_09.0328.C14.o2.gs	Method	GENSCAN
Start	1905	End	3174
GI	none	Score	.89
Exons	1905..1918, 2698..2885, 3017..3174		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83940	Strand	-
Start	1	End	893
Name	OJ000229_09.0328.C14.o1.np	Method	AAT/NAP
Start	1	End	893
GI	6539570	Score	181
Exons	1..39, 408..485, 699..893		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83941	Strand	-
Start	1647	End	3497
Name	OJ000229_09.0328.C14.o2.np	Method	AAT/NAP

Start	1647	End	3497
GI	6063554	Score	121
Exons	1647..1814, 3032..3497		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83941	Strand	-
Start	1647	End	3497
Name	OJ000229_09.0328.C14.o3.np	Method	AAT/NAP
Start	2375	End	3246
GI	5852178	Score	436
Exons	2375..2469, 2833..2936, 2968..3246		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83942	Strand	-
Start	4734	End	5232
Name	OJ000229_09.0328.C14.o4.np	Method	AAT/NAP
Start	3985	End	4065
GI	6630699	Score	73
Exons	3985..4065		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83942	Strand	-
Start	4734	End	5232
Name	OJ000229_09.0328.C14.o3.gs	Method	GENSCAN
Start	4734	End	5232
GI	none	Score	.93
Exons	4734..4965, 5045..5232		

Seq. No.	40550	Seq. ID	OJ000229_09.0328.C14
Gene No.	83943	Strand	-
Start	5719	End	8358
Name	OJ000229_09.0328.C14.o4.gs	Method	GENSCAN
Start	5719	End	8358
GI	none	Score	.5
Exons	5719..5889, 5923..5967, 6737..6974, 8196..8358		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83944	Strand	+
Start	1011	End	1224
Name	OJ000229_09.0328.C15.o2.gp	Method	AAT/GAP
Start	1011	End	1224
GI	none	Score	378
Exons	1011..1224		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83945	Strand	+
Start	5903	End	9246
Name	OJ000229_09.0328.C15.o1.np	Method	AAT/NAP
Start	5903	End	9246
GI	4581155	Score	1518

Exons	5903..5957, 6980..7714, 7760..7862, 8016..8459, 8555..9246		
GI Descrip.	(AC006919) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83946	Strand	+
Start	9246	End	9556
Name	OJ000229_09.0328.C15.o4.gp	Method	AAT/GAP
Start	9246	End	9556
GI	none	Score	552
Exons	9246..9556		
Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83947	Strand	+
Start	10638	End	13169
Name	OJ000229_09.0328.C15.o2.gs	Method	GENSCAN
Start	10638	End	13147
GI	none	Score	.8
Exons	10638..10795, 11082..11175, 11360..11563, 11705..11860, 12100..12177, 12298..12429, 12658..12738, 12903..12974, 13058..13147		
Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83947	Strand	+
Start	10638	End	13169
Name	OJ000229_09.0328.C15.o5.gp	Method	AAT/GAP
Start	10920	End	13169
GI	7253_1.R1084	Score	1748
Exons	10920..11175, 11276..11372, 11466..11563, 11705..11860, 12100..12177, 12298..12429, 12658..12738, 12903..12974, 13058..13169		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		
Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83947	Strand	+
Start	10638	End	13169
Name	OJ000229_09.0328.C15.o2.np	Method	AAT/NAP
Start	11146	End	13151
GI	7529723	Score	937
Exons	11146..11175, 11276..11372, 11466..11563, 11705..11860, 12100..12177, 12298..12429, 12658..12738, 12903..12974, 13058..13151		
GI Descrip.	(AL132969) pyruvate kinase-like protein [Arabidopsis thaliana]		
Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83948	Strand	-
Start	208	End	670
Name	OJ000229_09.0328.C15.o1.gp	Method	AAT/GAP
Start	208	End	670
GI	LIB3432-059-P1-K1-D8	Score	732
Exons	208..670		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-

Start	7673	End	9252
Name	OJ000229_09.0328.C15.o3.tc	Method	TBLASTX:Cress
Start	6983	End	7237
GI	none	Score	256
Exons	6983..7237, 6985..7098		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o4.ts	Method	TBLASTX:Soybean
Start	6983	End	7240
GI	none	Score	116
Exons	6983..7117, 6985..7107, 7112..7240		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o2.ts	Method	TBLASTX:Soybean
Start	7444	End	8621
GI	none	Score	125
Exons	7444..7590, 7448..7591, 8165..8461, 8212..8310, 8386..8460, 8548..8595, 8553..8621		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o3.gp	Method	AAT/GAP
Start	7673	End	7903
GI	3762990	Score	437
Exons	7673..7903		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o1.tm	Method	TBLASTX:Maize
Start	8162	End	9192
GI	none	Score	129
Exons	8162..8317, 8354..8461, 8548..8649, 8670..8900, 8671..8901, 8980..9168, 8980..9192		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o1.tc	Method	TBLASTX:Cress
Start	8177	End	9168
GI	none	Score	109
Exons	8177..8296, 8312..8461, 8548..8643, 8653..8889, 8796..8894, 8974..9087, 9058..9168		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o1.ts	Method	TBLASTX:Soybean
Start	8625	End	9252
GI	none	Score	352
Exons	8625..8888, 8638..8892, 8971..9198, 8971..9252		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83949	Strand	-
Start	7673	End	9252
Name	OJ000229_09.0328.C15.o2.tw	Method	TBLASTX:Wheat
Start	8983	End	9204
GI	none	Score	190
Exons	8983..9204, 8989..9078		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83950	Strand	
Start	11062	End	13180
Name	OJ000229_09.0328.C15.o2.tm	Method	TBLASTX:Maize
Start	11062	End	11568
GI	none	Score	39
Exons	11062..11085, 11080..11172, 11098..11187, 11100..11183, 11261..11371, 11275..11370, 11459..11566, 11464..11568		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83950	Strand	
Start	11062	End	13180
Name	OJ000229_09.0328.C15.o2.tc	Method	TBLASTX:Cress
Start	11103	End	11866
GI	none	Score	63
Exons	11103..11171, 11104..11172, 11104..11169, 11106..11171, 11261..11371, 11275..11370, 11279..11371, 11459..11566, 11464..11568, 11698..11859, 11705..11866		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83950	Strand	
Start	11062	End	13180
Name	OJ000229_09.0328.C15.o3.ts	Method	TBLASTX:Soybean
Start	11103	End	13150
GI	none	Score	65
Exons	11103..11174, 11104..11175, 11106..11174, 11261..11371, 11275..11370, 11458..11568, 11459..11566, 11698..11853, 11705..11866, 12097..12180, 12099..12179, 12262..12432, 12295..12432, 12312..12434, 12321..12437, 12655..12705, 12709..12750, 12902..12973, 12903..12974, 13052..13150, 13057..13149		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83950	Strand	
Start	11062	End	13180
Name	OJ000229_09.0328.C15.o3.tm	Method	TBLASTX:Maize
Start	11691	End	13180
GI	none	Score	125
Exons	11691..11861, 11695..11850, 11698..11871, 11705..11866, 12081..12179, 12097..12180, 12262..12432, 12296..12427, 12297..12434, 12657..12734, 12658..12750, 12659..12742, 12900..12974, 12902..12979, 12902..12973, 13038..13148, 13052..13180, 13056..13148, 13057..13149		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83950	Strand	
Start	11062	End	13180
Name	OJ000229_09.0328.C15.o4.tc	Method	TBLASTX:Cress
Start	12081	End	13150

GI	none	Score	135
Exons	12081..12179, 12097..12183, 12262..12432, 12295..12429, 12309..12434, 12655..12738, 12657..12734, 12872..12982, 12915..12983, 13055..13150, 13057..13149		

Seq. No.	40551	Seq. ID	OJ000229_09.0328.C15
Gene No.	83950	Strand	
Start	11062	End	13180
Name	OJ000229_09.0328.C15.o1.tw	Method	TBLASTX:Wheat
Start	12343	End	13180
GI	none	Score	70
Exons	12343..12429, 12345..12422, 12345..12437, 12346..12432, 12655..12738, 12657..12758, 12658..12750, 12899..12973, 12900..12974, 12900..12974, 13032..13148, 13052..13180, 13057..13149		

Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83951	Strand	+
Start	3503	End	3874
Name	OJ000229_09.0328.C18.o1.gp	Method	AAT/GAP
Start	3503	End	3874
GI	55507_1.R1084	Score	474
Exons	3503..3762, 3801..3874		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-16 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83952	Strand	+
Start	4068	End	4733
Name	OJ000229_09.0328.C18.o3.gs	Method	GENSCAN
Start	4068	End	4733
GI	none	Score	1
Exons	4068..4733		

Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o1.np	Method	AAT/NAP
Start	4792	End	9395
GI	6862912	Score	1091
Exons	4792..4823, 6515..6750, 8059..8454, 8556..8714, 9007..9395		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o4.gs	Method	GENSCAN
Start	6374	End	9385
GI	none	Score	.63
Exons	6374..6750, 8059..8454, 8556..8714, 8989..9385		

Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o2.tm	Method	TBLASTX:Maize
Start	6581	End	6753
GI	none	Score	65

Exons	6581..6625, 6623..6739, 6634..6753		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o2.ts	Method	TBLASTX:Soybean
Start	6581	End	8275
GI	none	Score	194
Exons	6581..6742, 6590..6637, 6649..6753, 8057..8275, 8113..8250		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o1.tw	Method	TBLASTX:Wheat
Start	6707	End	8452
GI	none	Score	60
Exons	6707..6742, 8057..8209, 8213..8296, 8387..8452		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o3.tm	Method	TBLASTX:Maize
Start	8057	End	9337
GI	none	Score	136
Exons	8057..8194, 8180..8293, 9254..9337, 9256..9324		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o2.gp	Method	AAT/GAP
Start	8184	End	9825
GI	53984_1.R1084	Score	2382
Exons	8184..8454, 8556..8714, 9007..9825		
GI Descrip.	'6006895/gb|AAF00670.1|AC008153_22 8.0e-56 (AC008153) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o1.tc	Method	TBLASTX:Cress
Start	8218	End	9307
GI	none	Score	77
Exons	8218..8319, 8218..8286, 8219..8407, 8383..8451, 8384..8452, 8550..8714, 8554..8715, 8966..9061, 9004..9054, 9125..9214, 9200..9307, 9229..9285		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+
Start	4792	End	9825
Name	OJ000229_09.0328.C18.o1.tm	Method	TBLASTX:Maize
Start	8295	End	9253
GI	none	Score	265
Exons	8295..8450, 8297..8455, 8297..8467, 8298..8468, 8557..8715, 8560..8712, 8966..9253, 9004..9252		
Seq. No.	40552	Seq. ID	OJ000229_09.0328.C18
Gene No.	83953	Strand	+

Start	4792	End	9825
Name	OJ000229_09.0328.C18.o1.ts	Method	TBLASTX:Soybean
Start	9023	End	9328
GI	none	Score	64
Exons	9023..9061, 9137..9214, 9212..9328, 9247..9321		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83954	Strand	+
Start	1	End	7679
Name	OJ000229_09.0328.C19.o1.np	Method	AAT/NAP
Start	1	End	3451
GI	3023751	Score	240
Exons	1..32, 2189..2384, 2498..2620, 2699..2851, 3200..3451		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83954	Strand	+
Start	1	End	7679
Name	OJ000229_09.0328.C19.o1.gs	Method	GENSCAN
Start	339	End	7679
GI	none	Score	.5
Exons	339..525, 1179..1228, 1444..1623, 1740..1829, 2209..2393, 2498..2620, 2699..2851, 3200..3404, 4373..4756, 5078..5208, 5283..5391, 5435..5842, 6818..7026, 7533..7679		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83955	Strand	-
Start	4345	End	4690
Name	OJ000229_09.0328.C19.o1.tm	Method	TBLASTX:Maize
Start	1442	End	3528
GI	none	Score	251
Exons	1442..1621, 1443..1631, 1477..1632, 1738..1827, 1739..1828, 1743..1829, 2206..2352, 2208..2393, 2220..2393, 2466..2621, 2495..2653, 2495..2551, 2568..2621, 2572..2625, 2698..2853, 2698..2853, 2699..2854, 3199..3525, 3200..3526, 3208..3528, 3285..3527		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83955	Strand	-
Start	4345	End	4690
Name	OJ000229_09.0328.C19.o1.tc	Method	TBLASTX:Cress
Start	1451	End	1828
GI	none	Score	185
Exons	1451..1621, 1452..1631, 1452..1631, 1739..1828, 1744..1827		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83955	Strand	-
Start	4345	End	4690
Name	OJ000229_09.0328.C19.o1.ts	Method	TBLASTX:Soybean
Start	2210	End	2743
GI	none	Score	261
Exons	2210..2344, 2217..2399, 2220..2396, 2480..2551, 2495..2611, 2581..2610, 2699..2743, 2702..2743		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83955	Strand	-
Start	4345	End	4690
Name	OJ000229_09.0328.C19.o2.ts	Method	TBLASTX:Soybean
Start	2758	End	3517
GI	none	Score	146
Exons	2758..2853, 2759..2854, 3074..3118, 3199..3318, 3200..3517, 3379..3513		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83955	Strand	-
Start	4345	End	4690
Name	OJ000229_09.0328.C19.o1.gp	Method	AAT/GAP
Start	4345	End	4690
GI	none	Score	660
Exons	4345..4690		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83956	Strand	
Start	6432	End	7192
Name	OJ000229_09.0328.C19.o1.tw	Method	TBLASTX:Wheat
Start	6432	End	7192
GI	none	Score	57
Exons	6432..6488, 6817..6858, 6817..6858, 6838..7029, 6916..7029, 6918..7034, 7122..7190, 7124..7192		

Seq. No.	40553	Seq. ID	OJ000229_09.0328.C19
Gene No.	83957	Strand	
Start	8160	End	8537
Name	OJ000229_09.0328.C19.o2.tm	Method	TBLASTX:Maize
Start	8160	End	8537
GI	none	Score	211
Exons	8160..8369, 8161..8364, 8170..8370, 8467..8532, 8472..8537, 8480..8533, 8481..8537		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83958	Strand	-
Start	230	End	3782
Name	OJ000229_09.0328.C27.o1.gp	Method	AAT/GAP
Start	230	End	3782
GI	1648_2.R1084	Score	1789
Exons	230..529, 790..905, 1044..1164, 1290..1530, 3428..3782		
GI Descrip.	'451193 1.0e-52 (L28008) wali7 [Triticum aestivum] >gi_1090845_prf__2019486B wali7 gene [Triticum aestivum]'		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83958	Strand	-
Start	230	End	3782
Name	OJ000229_09.0328.C27.o1.np	Method	AAT/NAP
Start	394	End	3627
GI	7489671	Score	931
Exons	394..529, 790..905, 1044..1164, 1290..1530, 3428..3627		
GI Descrip.	hypothetical protein wali7 - wheat (fragment) gi|451193|gb|AAC37416.1| (L28008) wali7 [Triticum aestivum] gi|1090845|prf||2019486B wali7 gene [Triticum aestivum]		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83958	Strand	-
Start	230	End	3782
Name	OJ000229_09.0328.C27.o1.gs	Method	GENSCAN
Start	790	End	3630
GI	none	Score	.98
Exons	790..905, 1044..1164, 1290..1530, 3428..3630		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83959	Strand	-
Start	4843	End	5244
Name	OJ000229_09.0328.C27.o1.tm	Method	TBLASTX:Maize
Start	398	End	3635
GI	none	Score	65
Exons	398..523, 406..438, 488..529, 761..874, 787..879, 788..877, 880..906, 881..907, 1042..1176, 1043..1165, 1290..1445, 1302..1442, 1413..1532, 1441..1533, 1441..1533, 3423..3452, 3427..3633, 3479..3634, 3594..3635		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83959	Strand	-
Start	4843	End	5244
Name	OJ000229_09.0328.C27.o1.tc	Method	TBLASTX:Cress
Start	784	End	3636
GI	none	Score	69
Exons	784..864, 784..879, 788..877, 880..906, 1042..1164, 1043..1165, 1288..1347, 1290..1547, 1290..1532, 3427..3636, 3479..3634		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83959	Strand	-
Start	4843	End	5244
Name	OJ000229_09.0328.C27.o1.ts	Method	TBLASTX:Soybean
Start	784	End	3655
GI	none	Score	122
Exons	784..879, 788..880, 880..906, 1042..1164, 1043..1156, 1288..1347, 1290..1526, 1290..1532, 1369..1533, 1408..1533, 3427..3642, 3479..3655		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83959	Strand	-
Start	4843	End	5244
Name	OJ000229_09.0328.C27.o2.np	Method	AAT/NAP
Start	4843	End	5244
GI	6069646	Score	463
Exons	4843..5244		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	40554	Seq. ID	OJ000229_09.0328.C27
Gene No.	83959	Strand	-
Start	4843	End	5244
Name	OJ000229_09.0328.C27.o2.tm	Method	TBLASTX:Maize
Start	4873	End	5197
GI	none	Score	90

Exons	4873..5058, 5099..5197		
Seq. No.	40555	Seq. ID	OJ000229_05.0323.C2
Gene No.	83960	Strand	+
Start	1	End	2162
Name	OJ000229_05.0323.C2.o1.np	Method	AAT/NAP
Start	1	End	2162
GI	4582459	Score	174
Exons	1..26, 1889..2037, 2109..2162		
GI Descrip.	(AC007071) putative importin (nuclear transport factor) protein [Arabidopsis thaliana]		
Seq. No.	40555	Seq. ID	OJ000229_05.0323.C2
Gene No.	83960	Strand	+
Start	1	End	2162
Name	OJ000229_05.0323.C2.o1.gs	Method	GENSCAN
Start	419	End	2139
GI	none	Score	.64
Exons	419..476, 899..993, 1889..2028, 2124..2139		
Seq. No.	40555	Seq. ID	OJ000229_05.0323.C2
Gene No.	83960	Strand	+
Start	1	End	2162
Name	OJ000229_05.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	1888	End	2162
GI	none	Score	173
Exons	1888..2028, 1889..2029, 1895..2029, 2121..2162, 2122..2160		
Seq. No.	40555	Seq. ID	OJ000229_05.0323.C2
Gene No.	83960	Strand	+
Start	1	End	2162
Name	OJ000229_05.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	1889	End	2162
GI	none	Score	158
Exons	1889..2029, 1901..2026, 1924..2028, 2121..2162, 2122..2160		
Seq. No.	40555	Seq. ID	OJ000229_05.0323.C2
Gene No.	83960	Strand	+
Start	1	End	2162
Name	OJ000229_05.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	1912	End	2162
GI	none	Score	143
Exons	1912..2028, 1913..2029, 1937..2032, 2121..2162, 2122..2160		
Seq. No.	40556	Seq. ID	OJ000229_05.0323.C5
Gene No.	83961	Strand	+
Start	1	End	4804
Name	OJ000229_05.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	4804
GI	6815062	Score	4175
Exons	1..511, 771..843, 1796..2463, 2540..2731, 2824..3029, 3075..3420, 3501..3599, 3678..4038, 4503..4684, 4730..4804		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	40556	Seq. ID	OJ000229_05.0323.C5

Gene No.	83961	Strand	+
Start	1	End	4804
Name	OJ000229_05.0323.C5.o1.gs	Method	GENSCAN
Start	168	End	4792
GI	none	Score	.7
Exons	168..590, 771..843, 1519..1544, 1871..2351, 2664..2731, 2824..3029, 3126..3420, 3501..3599, 3678..4038, 4512..4792		

Seq. No.	40556	Seq. ID	OJ000229_05.0323.C5
Gene No.	83961	Strand	+
Start	1	End	4804
Name	OJ000229_05.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	1904	End	2293
GI	none	Score	266
Exons	1904..2164, 1915..2142, 2159..2188, 2198..2293		

Seq. No.	40556	Seq. ID	OJ000229_05.0323.C5
Gene No.	83961	Strand	+
Start	1	End	4804
Name	OJ000229_05.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	2297	End	3444
GI	none	Score	102
Exons	2297..2386, 2312..2401, 2380..2466, 2394..2459, 2528..2599, 2537..2605, 2621..2662, 2672..2749, 2830..2997, 2880..2978, 3004..3030, 3112..3444		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83962	Strand	+
Start	45	End	265
Name	OJ000229_05.0323.C6.o1.gs	Method	GENSCAN
Start	45	End	265
GI	none	Score	.44
Exons	45..265		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83963	Strand	-
Start	2688	End	3034
Name	OJ000229_05.0323.C6.o1.gp	Method	AAT/GAP
Start	2688	End	3034
GI	4714157	Score	638
Exons	2688..3034		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83964	Strand	-
Start	3005	End	7709
Name	OJ000229_05.0323.C6.o3.gs	Method	GENSCAN
Start	3005	End	7709
GI	none	Score	.57
Exons	3005..3343, 3953..4055, 5555..5654, 6325..6375, 6615..6714, 7167..7370, 7476..7709		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83964	Strand	-
Start	3005	End	7709
Name	OJ000229_05.0323.C6.o1.np	Method	AAT/NAP
Start	3011	End	7688
GI	7447933	Score	1110

Exons	3011..3343, 3953..4055, 4140..4312, 7167..7370, 7476..7688		
GI Descrip.	auxin-induced protein - common sunflower gi|2606077|gb|AAB84222.1| (AF030301) auxin-induced protein [Helianthus annuus]		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o3.ts	Method	TBLASTX:Soybean
Start	3006	End	3239
GI	none	Score	47
Exons	3006..3056, 3011..3058, 3098..3238, 3144..3239		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	3008	End	7557
GI	none	Score	64
Exons	3008..3055, 3009..3059, 3098..3340, 3104..3334, 3144..3353, 3951..4055, 3953..4057, 4139..4312, 4140..4310, 7159..7290, 7161..7289, 7315..7356, 7326..7355, 7476..7556, 7477..7557		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	3158	End	10103
GI	none	Score	123
Exons	3158..3340, 3162..3338, 3999..4055, 4007..4057, 4139..4312, 4140..4313, 7159..7356, 7161..7355, 7468..7668, 7476..7673, 7560..7673, 10027..10074, 10065..10103		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o2.ts	Method	TBLASTX:Soybean
Start	3240	End	4313
GI	none	Score	83
Exons	3240..3353, 3242..3346, 3953..4057, 3957..4055, 4139..4282, 4139..4312, 4140..4313		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	7179	End	10103
GI	none	Score	185
Exons	7179..7358, 7180..7359, 7471..7668, 7476..7673, 7560..7670, 10019..10063, 10024..10062, 10065..10103, 10066..10101		

Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	7297	End	10103
GI	none	Score	79

Exons	7297..7359, 7297..7329, 7326..7358, 7476..7676, 7477..7677, 10013..10066, 10014..10064, 10019..10069, 10024..10074, 10065..10103, 10066..10101		
Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o4.gs	Method	GENSCAN
Start	8616	End	10163
GI	none	Score	.52
Exons	8616..8734, 9513..9768, 10002..10163		
Seq. No.	40557	Seq. ID	OJ000229_05.0323.C6
Gene No.	83965	Strand	-
Start	8616	End	10163
Name	OJ000229_05.0323.C6.o2.np	Method	AAT/NAP
Start	10002	End	10133
GI	728744	Score	77
Exons	10002..10133		
GI Descrip.	AUXIN-INDUCED PROTEIN PCNT115 gi|100305|pir||S16390 auxin-induced protein - common tobacco gi|19799|emb|CAA39708| (X56267) auxin-induced protein [Nicotiana tabacum]		
Seq. No.	40558	Seq. ID	OJ000229_05.0323.C7
Gene No.	83966	Strand	-
Start	278	End	553
Name	OJ000229_05.0323.C7.o1.gs	Method	GENSCAN
Start	278	End	553
GI	none	Score	.75
Exons	278..438, 502..553		
Seq. No.	40558	Seq. ID	OJ000229_05.0323.C7
Gene No.	83967	Strand	-
Start	1279	End	1433
Name	OJ000229_05.0323.C7.o2.gs	Method	GENSCAN
Start	1279	End	1433
GI	none	Score	.92
Exons	1279..1433		
Seq. No.	40559	Seq. ID	OJ000229_05.0323.C9
Gene No.	83968	Strand	-
Start	191	End	1414
Name	OJ000229_05.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	116	End	941
GI	none	Score	49
Exons	116..211, 117..218, 210..311, 212..385, 324..368, 831..941		
Seq. No.	40559	Seq. ID	OJ000229_05.0323.C9
Gene No.	83968	Strand	-
Start	191	End	1414
Name	OJ000229_05.0323.C9.o1.gs	Method	GENSCAN
Start	191	End	1414
GI	none	Score	.82
Exons	191..367, 822..957, 1305..1414		
Seq. No.	40560	Seq. ID	OJ000229_05.0323.C10
Gene No.	83969	Strand	-

Start	322	End	1668
Name	OJ000229_05.0323.C10.o1.gs	Method	GENSCAN
Start	322	End	1117
GI	none	Score	.41
Exons	322..512, 599..706, 874..1117		

Seq. No.	40560	Seq. ID	OJ000229_05.0323.C10
Gene No.	83969	Strand	-
Start	322	End	1668
Name	OJ000229_05.0323.C10.o1.np	Method	AAT/NAP
Start	329	End	1668
GI	4733937	Score	301
Exons	329..706, 874..1202, 1588..1668		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	40560	Seq. ID	OJ000229_05.0323.C10
Gene No.	83969	Strand	-
Start	322	End	1668
Name	OJ000229_05.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	331	End	592
GI	none	Score	83
Exons	331..585, 338..592		

Seq. No.	40560	Seq. ID	OJ000229_05.0323.C10
Gene No.	83969	Strand	-
Start	322	End	1668
Name	OJ000229_05.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	340	End	705
GI	none	Score	58
Exons	340..585, 541..705, 609..704		

Seq. No.	40561	Seq. ID	OJ000229_05.0323.C11
Gene No.	83970	Strand	+
Start	1711	End	3612
Name	OJ000229_05.0323.C11.o1.np	Method	AAT/NAP
Start	1711	End	3612
GI	6539570	Score	233
Exons	1711..1913, 2073..2146, 3579..3612		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40561	Seq. ID	OJ000229_05.0323.C11
Gene No.	83971	Strand	-
Start	1317	End	3004
Name	OJ000229_05.0323.C11.o1.gs	Method	GENSCAN
Start	1317	End	3004
GI	none	Score	.42
Exons	1317..1484, 1729..1862, 2992..3004		

Seq. No.	40562	Seq. ID	OJ000229_05.0323.C12
Gene No.	83972	Strand	-
Start	188	End	1922
Name	OJ000229_05.0323.C12.o1.gs	Method	GENSCAN
Start	188	End	1797
GI	none	Score	.7
Exons	188..367, 641..822, 1392..1527, 1558..1621, 1760..1797		

Seq. No.	40562	Seq. ID	OJ000229_05.0323.C12

Gene No.	83972	Strand	-
Start	188	End	1922
Name	OJ000229_05.0323.C12.o1.np	Method	AAT/NAP
Start	918	End	1922
GI	5922620	Score	161
Exons	918..1170, 1432..1566, 1657..1704, 1885..1922		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40563	Seq. ID	OJ000229_05.0323.C13
Gene No.	83973	Strand	+
Start	429	End	1457
Name	OJ000229_05.0323.C13.o1.np	Method	AAT/NAP
Start	429	End	1457
GI	6539570	Score	204
Exons	429..631, 791..857, 1258..1457		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83974	Strand	+
Start	596	End	919
Name	OJ000229_05.0323.C14.o1.gp	Method	AAT/GAP
Start	596	End	919
GI	72524_1.R1084	Score	401
Exons	596..919		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83975	Strand	+
Start	1892	End	12838
Name	OJ000229_05.0323.C14.o1.np	Method	AAT/NAP
Start	1892	End	5247
GI	7248395	Score	2067
Exons	1892..2624, 3490..3573, 3651..4233, 4431..4568, 4703..5247		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83975	Strand	+
Start	1892	End	12838
Name	OJ000229_05.0323.C14.o1.gs	Method	GENSCAN
Start	2074	End	2736
GI	none	Score	.69
Exons	2074..2736		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83975	Strand	+
Start	1892	End	12838
Name	OJ000229_05.0323.C14.o2.gs	Method	GENSCAN
Start	3223	End	12838
GI	none	Score	.59
Exons	3223..3249, 3475..3626, 3707..3974, 4451..5176, 5525..5702, 8267..8354, 9896..10043, 10972..11043, 12131..12249, 12550..12838		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83975	Strand	+
Start	1892	End	12838
Name	OJ000229_05.0323.C14.o3.np	Method	AAT/NAP
Start	3441	End	5247
GI	7248395	Score	1460
Exons	3441..4233, 4431..4568, 4703..5247		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83975	Strand	+
Start	1892	End	12838
Name	OJ000229_05.0323.C14.o4.np	Method	AAT/NAP
Start	10909	End	11064
GI	7363271	Score	94
Exons	10909..11064		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	40564	Seq. ID	OJ000229_05.0323.C14
Gene No.	83976	Strand	-
Start	5546	End	5798
Name	OJ000229_05.0323.C14.o2.np	Method	AAT/NAP
Start	5546	End	5798
GI	7106513	Score	112
Exons	5546..5653, 5754..5798		
GI Descrip.	(AP001278) hypothetical protein [Oryza sativa]		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83977	Strand	+
Start	2253	End	2744
Name	OJ000229_05.0323.C15.o1.gs	Method	GENSCAN
Start	2253	End	2744
GI	none	Score	.66
Exons	2253..2744		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83978	Strand	+
Start	4615	End	4905
Name	OJ000229_05.0323.C15.o2.gs	Method	GENSCAN
Start	4615	End	4905
GI	none	Score	.92
Exons	4615..4748, 4884..4905		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o3.gs	Method	GENSCAN
Start	6190	End	9231
GI	none	Score	.85
Exons	6190..7101, 7855..8086, 8608..8697, 8828..9231		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o1.np	Method	AAT/NAP
Start	6199	End	9216

GI	5915836	Score	1017
Exons	6199..7101, 8608..9216		
GI Descrip.	CYTOCHROME P450 71D7 gi|1762144 (U48435) putative cytochrome P450 [Solanum chacoense]		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o2.tc	Method	TBLASTX:Cress
Start	6220	End	6786
GI	none	Score	66
Exons	6220..6324, 6400..6786		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o2.tm	Method	TBLASTX:Maize
Start	6262	End	6903
GI	none	Score	73
Exons	6262..6324, 6277..6357, 6278..6361, 6400..6519, 6445..6549, 6550..6705, 6700..6903, 6712..6858		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o1.ts	Method	TBLASTX:Soybean
Start	6279	End	9204
GI	none	Score	58
Exons	6279..6347, 6289..6324, 6399..6467, 6400..6699, 6685..6921, 8596..9204, 8604..8876, 8650..9153, 9000..9161		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o1.tc	Method	TBLASTX:Cress
Start	8598	End	9204
GI	none	Score	119
Exons	8598..8753, 8602..8715, 8731..9204, 8731..8967, 9000..9203		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o1.tm	Method	TBLASTX:Maize
Start	8607	End	9234
GI	none	Score	97
Exons	8607..8729, 8608..8730, 8728..9009, 8731..9234, 8858..9127, 9000..9170		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15
Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o1.tw	Method	TBLASTX:Wheat
Start	8608	End	8913
GI	none	Score	346
Exons	8608..8913, 8608..8907, 8622..8912		

Seq. No.	40565	Seq. ID	OJ000229_05.0323.C15

Gene No.	83979	Strand	+
Start	6190	End	9234
Name	OJ000229_05.0323.C15.o2.tw	Method	TBLASTX:Wheat
Start	8944	End	9213
GI	none	Score	278
Exons	8944..9213, 8950..9153, 9000..9200		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83980	Strand	-
Start	1	End	2738
Name	OJ000229_05.0323.C16.o1.gp	Method	AAT/GAP
Start	1	End	2638
GI	1514_1.R1084	Score	1012
Exons	1..54, 2039..2239, 2348..2638		
GI Descrip.	'2462763 1.0e-132 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83980	Strand	-
Start	1	End	2738
Name	OJ000229_05.0323.C16.o1.np	Method	AAT/NAP
Start	1	End	2572
GI	1352461	Score	653
Exons	1..54, 2039..2239, 2348..2572		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83980	Strand	-
Start	1	End	2738
Name	OJ000229_05.0323.C16.o1.gs	Method	GENSCAN
Start	914	End	2581
GI	none	Score	.95
Exons	914..943, 2039..2239, 2348..2581		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83980	Strand	-
Start	1	End	2738
Name	OJ000229_05.0323.C16.o2.gp	Method	AAT/GAP
Start	2035	End	2738
GI	1514_2.R1084	Score	988
Exons	2035..2239, 2348..2738		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83981	Strand	-
Start	3304	End	5407
Name	OJ000229_05.0323.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	2552
GI	none	Score	44
Exons	1..72, 2033..2095, 2036..2242, 2130..2240, 2348..2551, 2370..2552		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83981	Strand	-
Start	3304	End	5407
Name	OJ000229_05.0323.C16.o1.ts	Method	TBLASTX:Soybean

Start	1	End	2552
GI	none	Score	51
Exons	1..72, 2036..2242, 2040..2078, 2130..2240, 2348..2551, 2376..2552		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83981	Strand	-
Start	3304	End	5407
Name	OJ000229_05.0323.C16.o2.tm	Method	TBLASTX:Maize
Start	1	End	2179
GI	none	Score	122
Exons	1..72, 2032..2121, 2036..2179		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83981	Strand	-
Start	3304	End	5407
Name	OJ000229_05.0323.C16.o1.tw	Method	TBLASTX:Wheat
Start	2168	End	2552
GI	none	Score	77
Exons	2168..2242, 2172..2240, 2348..2551, 2370..2552		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83981	Strand	-
Start	3304	End	5407
Name	OJ000229_05.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	2183	End	2552
GI	none	Score	261
Exons	2183..2242, 2348..2551, 2370..2552		

Seq. No.	40566	Seq. ID	OJ000229_05.0323.C16
Gene No.	83981	Strand	-
Start	3304	End	5407
Name	OJ000229_05.0323.C16.o2.gs	Method	GENSCAN
Start	3304	End	5407
GI	none	Score	.54
Exons	3304..3393, 4829..4883, 5175..5407		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.gp	Method	AAT/GAP
Start	553	End	3774
GI	1514_2.R1084	Score	2352
Exons	553..1193, 1723..1825, 1990..2082, 3192..3392, 3503..3774		
GI Descrip.	'2462763 1.0e-121 (AC002292) Highly similar to auxin-induced protein (aldo/keto reductase family) [Arabidopsis thaliana]'		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.gs	Method	GENSCAN
Start	849	End	3736
GI	none	Score	.89
Exons	849..1193, 1723..1825, 1910..2082, 3192..3392, 3503..3736		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-

Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.tm	Method	TBLASTX:Maize
Start	849	End	2084
GI	none	Score	58
Exons	849..896, 849..899, 850..903, 915..1196, 915..1193, 916..1200, 916..1194, 1652..1831, 1723..1827, 1724..1828, 1909..2079, 1910..2080, 1911..2084		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.np	Method	AAT/NAP
Start	852	End	3724
GI	6562980	Score	1258
Exons	852..1193, 1723..1825, 1910..2082, 3192..3392, 3503..3724		
GI Descrip.	(AF057715) auxin-induced atb2 [Arabidopsis thaliana]		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o2.ts	Method	TBLASTX:Soybean
Start	855	End	1092
GI	none	Score	44
Exons	855..902, 856..888, 915..1091, 921..1091, 922..1092		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.tc	Method	TBLASTX:Cress
Start	1008	End	3707
GI	none	Score	147
Exons	1008..1190, 1009..1188, 1723..1779, 1775..1831, 1777..1827, 1909..2082, 1910..2083, 3189..3395, 3193..3393, 3495..3707, 3503..3706		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.ts	Method	TBLASTX:Soybean
Start	1092	End	3707
GI	none	Score	91
Exons	1092..1190, 1685..1828, 1723..1827, 1775..1828, 1909..2082, 1909..2082, 1910..2083, 1910..2083, 3189..3395, 3193..3393, 3498..3707, 3503..3706		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o3.tm	Method	TBLASTX:Maize
Start	3185	End	3329
GI	none	Score	80
Exons	3185..3238, 3189..3329, 3190..3303		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o1.tw	Method	TBLASTX:Wheat

Start	3321	End	3707
GI	none	Score	96
Exons	3321..3395, 3322..3393, 3503..3706, 3504..3707		

Seq. No.	40567	Seq. ID	OJ000229_05.0323.C17
Gene No.	83982	Strand	-
Start	553	End	3774
Name	OJ000229_05.0323.C17.o2.tm	Method	TBLASTX:Maize
Start	3336	End	3707
GI	none	Score	72
Exons	3336..3395, 3339..3395, 3343..3402, 3503..3706, 3504..3707		

Seq. No.	40568	Seq. ID	OJ000229_05.0323.C18
Gene No.	83983	Strand	+
Start	229	End	594
Name	OJ000229_05.0323.C18.o1.gs	Method	GENSCAN
Start	229	End	594
GI	none	Score	.77
Exons	229..252, 458..594		

Seq. No.	40569	Seq. ID	OJ000229_05.0323.C19
Gene No.	83984	Strand	-
Start	245	End	3843
Name	OJ000229_05.0323.C19.o1.tm	Method	TBLASTX:Maize
Start	220	End	3779
GI	none	Score	89
Exons	220..306, 222..575, 222..305, 224..583, 251..592, 391..591, 3667..3723, 3668..3724, 3726..3779, 3728..3775		

Seq. No.	40569	Seq. ID	OJ000229_05.0323.C19
Gene No.	83984	Strand	-
Start	245	End	3843
Name	OJ000229_05.0323.C19.o1.tc	Method	TBLASTX:Cress
Start	243	End	578
GI	none	Score	61
Exons	243..326, 254..577, 308..514, 399..578		

Seq. No.	40569	Seq. ID	OJ000229_05.0323.C19
Gene No.	83984	Strand	-
Start	245	End	3843
Name	OJ000229_05.0323.C19.o1.np	Method	AAT/NAP
Start	245	End	3843
GI	6562980	Score	425
Exons	245..580, 3667..3843		
GI Descrip.	(AF057715) auxin-induced atb2 [Arabidopsis thaliana]		

Seq. No.	40569	Seq. ID	OJ000229_05.0323.C19
Gene No.	83984	Strand	-
Start	245	End	3843
Name	OJ000229_05.0323.C19.o1.ts	Method	TBLASTX:Soybean
Start	357	End	590
GI	none	Score	190
Exons	357..581, 358..582, 359..583, 393..590		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83985	Strand	-
Start	566	End	2874

Name	OJ000229_05.0323.C20.o1.gs	Method	GENSCAN
Start	566	End	2874
GI	none	Score	.57
Exons	566..659, 2430..2563, 2641..2874		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83985	Strand	-
Start	566	End	2874
Name	OJ000229_05.0323.C20.o1.np	Method	AAT/NAP
Start	2297	End	2865
GI	1352461	Score	493
Exons	2297..2504, 2641..2865		
GI Descrip.	IN2-2 PROTEIN		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83986	Strand	-
Start	3033	End	3435
Name	OJ000229_05.0323.C20.o2.tm	Method	TBLASTX:Maize
Start	2294	End	2487
GI	none	Score	109
Exons	2294..2374, 2298..2441, 2299..2442, 2437..2487, 2451..2486		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83986	Strand	-
Start	3033	End	3435
Name	OJ000229_05.0323.C20.o1.tc	Method	TBLASTX:Cress
Start	2298	End	2844
GI	none	Score	151
Exons	2298..2486, 2302..2487, 2630..2833, 2641..2844		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83986	Strand	-
Start	3033	End	3435
Name	OJ000229_05.0323.C20.o1.ts	Method	TBLASTX:Soybean
Start	2313	End	2844
GI	none	Score	184
Exons	2313..2492, 2314..2493, 2636..2833, 2641..2844		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83986	Strand	-
Start	3033	End	3435
Name	OJ000229_05.0323.C20.o1.tw	Method	TBLASTX:Wheat
Start	2430	End	2845
GI	none	Score	72
Exons	2430..2495, 2431..2496, 2641..2844, 2642..2845		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83986	Strand	-
Start	3033	End	3435
Name	OJ000229_05.0323.C20.o1.tm	Method	TBLASTX:Maize
Start	2641	End	2845
GI	none	Score	263
Exons	2641..2844, 2642..2845		

Seq. No.	40570	Seq. ID	OJ000229_05.0323.C20
Gene No.	83986	Strand	-
Start	3033	End	3435

Name	OJ000229_05.0323.C20.o2.gs	Method	GENSCAN
Start	3033	End	3435
GI	none	Score	.92
Exons	3033..3238, 3333..3435		

Seq. No.	40571	Seq. ID	OJ000229_05.0323.C22
Gene No.	83987	Strand	+
Start	650	End	3682
Name	OJ000229_05.0323.C22.o1.gs	Method	GENSCAN
Start	650	End	3682
GI	none	Score	.5
Exons	650..735, 1431..1601, 1675..1794, 2964..3058, 3441..3682		

Seq. No.	40571	Seq. ID	OJ000229_05.0323.C22
Gene No.	83988	Strand	-
Start	4000	End	4146
Name	OJ000229_05.0323.C22.o1.np	Method	AAT/NAP
Start	4000	End	4146
GI	7340920	Score	130
Exons	4000..4146		
GI Descrip.	(AP001550) hypothetical protein [Oryza sativa]		

Seq. No.	40571	Seq. ID	OJ000229_05.0323.C22
Gene No.	83989	Strand	-
Start	5874	End	10087
Name	OJ000229_05.0323.C22.o2.np	Method	AAT/NAP
Start	5874	End	9240
GI	5902444	Score	832
Exons	5874..5941, 7284..8651, 9050..9240		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	40571	Seq. ID	OJ000229_05.0323.C22
Gene No.	83989	Strand	-
Start	5874	End	10087
Name	OJ000229_05.0323.C22.o3.gs	Method	GENSCAN
Start	7270	End	10087
GI	none	Score	.46
Exons	7270..7362, 7429..7769, 8515..8658, 8969..9100, 9384..9762, 9779..10087		

Seq. No.	40571	Seq. ID	OJ000229_05.0323.C22
Gene No.	83989	Strand	-
Start	5874	End	10087
Name	OJ000229_05.0323.C22.o2.tw	Method	TBLASTX:Wheat
Start	7291	End	7626
GI	none	Score	73
Exons	7291..7407, 7319..7405, 7444..7626, 7517..7618		

Seq. No.	40571	Seq. ID	OJ000229_05.0323.C22
Gene No.	83989	Strand	-
Start	5874	End	10087
Name	OJ000229_05.0323.C22.o1.tw	Method	TBLASTX:Wheat
Start	8267	End	8650
GI	none	Score	44
Exons	8267..8521, 8376..8489, 8495..8608, 8532..8606, 8609..8650		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25

Gene No.	83990	Strand	+
Start	1	End	192
Name	OJ000229_05.0323.C25.o1.np	Method	AAT/NAP
Start	1	End	192
GI	7339719	Score	90
Exons	1..192		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25
Gene No.	83991	Strand	+
Start	851	End	1537
Name	OJ000229_05.0323.C25.o2.tm	Method	TBLASTX:Maize
Start	243	End	874
GI	none	Score	45
Exons	243..368, 245..370, 247..336, 250..294, 251..373, 310..372, 360..482, 372..485, 378..491, 378..485, 381..491, 386..490, 406..477, 461..490, 505..639, 512..637, 516..656, 516..644, 522..641, 522..641, 523..675, 523..651, 523..687, 534..635, 534..644, 535..723, 537..689, 538..690, 538..687, 545..688, 558..689, 625..717, 626..718, 679..771, 680..766, 706..858, 714..857, 715..861, 718..858, 720..857, 736..873, 736..873, 752..874, 756..851, 766..852		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25
Gene No.	83991	Strand	+
Start	851	End	1537
Name	OJ000229_05.0323.C25.o1.gs	Method	GENSCAN
Start	851	End	1426
GI	none	Score	.41
Exons	851..1426		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25
Gene No.	83991	Strand	+
Start	851	End	1537
Name	OJ000229_05.0323.C25.o1.ts	Method	TBLASTX:Soybean
Start	899	End	1471
GI	none	Score	106
Exons	899..1048, 908..1024, 1061..1195, 1249..1470, 1250..1471		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25
Gene No.	83991	Strand	+
Start	851	End	1537
Name	OJ000229_05.0323.C25.o2.np	Method	AAT/NAP
Start	906	End	1537
GI	7228446	Score	463
Exons	906..1537		
GI Descrip.	(AP001366) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative retroelement pol polyprotein. (AC006248) [Oryza sativa]		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25
Gene No.	83991	Strand	+
Start	851	End	1537
Name	OJ000229_05.0323.C25.o1.tc	Method	TBLASTX:Cress
Start	908	End	1471
GI	none	Score	182
Exons	908..1162, 1176..1214, 1270..1416, 1271..1471, 1293..1463		

Seq. No.	40572	Seq. ID	OJ000229_05.0323.C25
Gene No.	83991	Strand	+
Start	851	End	1537
Name	OJ000229_05.0323.C25.o1.tm	Method	TBLASTX:Maize
Start	1073	End	1471
GI	none	Score	90
Exons	1073..1192, 1280..1471		

Seq. No.	40573	Seq. ID	OJ000229_05.0323.C26
Gene No.	83992	Strand	-
Start	308	End	5000
Name	OJ000229_05.0323.C26.o1.gs	Method	GENSCAN
Start	308	End	4830
GI	none	Score	.6
Exons	308..604, 1379..1650, 2586..2707, 2724..2882, 2902..3043, 3118..3266, 3533..3640, 3768..3992, 4452..4635, 4723..4830		

Seq. No.	40573	Seq. ID	OJ000229_05.0323.C26
Gene No.	83992	Strand	-
Start	308	End	5000
Name	OJ000229_05.0323.C26.o1.np	Method	AAT/NAP
Start	314	End	5000
GI	3287832	Score	517
Exons	314..589, 1367..1630, 3505..3640, 3768..3992, 4452..5000		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE (D-CADINENE SYNTHASE) gi|1843647 (U88318) (+)-delta-cadinene synthase [Gossypium hirsutum]		

Seq. No.	40573	Seq. ID	OJ000229_05.0323.C26
Gene No.	83992	Strand	-
Start	308	End	5000
Name	OJ000229_05.0323.C26.o2.tm	Method	TBLASTX:Maize
Start	314	End	565
GI	none	Score	64
Exons	314..565, 326..514, 369..548		

Seq. No.	40573	Seq. ID	OJ000229_05.0323.C26
Gene No.	83992	Strand	-
Start	308	End	5000
Name	OJ000229_05.0323.C26.o1.tw	Method	TBLASTX:Wheat
Start	314	End	1438
GI	none	Score	81
Exons	314..457, 317..448, 458..595, 468..548, 1388..1438		

Seq. No.	40573	Seq. ID	OJ000229_05.0323.C26
Gene No.	83992	Strand	-
Start	308	End	5000
Name	OJ000229_05.0323.C26.o1.tm	Method	TBLASTX:Maize
Start	1388	End	4729
GI	none	Score	67
Exons	1388..1474, 1526..1630, 3511..3636, 3521..3637, 3815..3991, 3818..3991, 4454..4729, 4461..4724		

Seq. No.	40573	Seq. ID	OJ000229_05.0323.C26
Gene No.	83992	Strand	-
Start	308	End	5000
Name	OJ000229_05.0323.C26.o1.tc	Method	TBLASTX:Cress

Start	4463	End	4828
GI	none	Score	208
Exons	4463..4828		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83993	Strand	+
Start	9287	End	12007
Name	OJ000209_07.0323.C2.o1.gp	Method	AAT/GAP
Start	9101	End	12007
GI	1048_1.R1084	Score	3255
Exons	9101..9566, 10665..11529, 11610..12007		
GI Descrip.	'3264767 3.0e-37 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83993	Strand	+
Start	9287	End	12007
Name	OJ000209_07.0323.C2.o1.np	Method	AAT/NAP
Start	9287	End	11479
GI	6689918	Score	1844
Exons	9287..9566, 10665..11479		
GI Descrip.	(AF193803) transcription factor EREBP1 [Oryza sativa]		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83993	Strand	+
Start	9287	End	12007
Name	OJ000209_07.0323.C2.o3.gs	Method	GENSCAN
Start	9287	End	11482
GI	none	Score	1
Exons	9287..9566, 10665..11482		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83994	Strand	+
Start	12269	End	12476
Name	OJ000209_07.0323.C2.o2.gp	Method	AAT/GAP
Start	12269	End	12476
GI	none	Score	358
Exons	12269..12476		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83995	Strand	+
Start	13990	End	14042
Name	OJ000209_07.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	2635	End	2799
GI	none	Score	168
Exons	2635..2799, 2636..2785		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83995	Strand	+
Start	13990	End	14042
Name	OJ000209_07.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	10662	End	11808
GI	none	Score	195
Exons	10662..11033, 10663..11079, 10664..11092, 10875..11081, 11027..11155, 11090..11149, 11144..11305, 11149..11271, 11160..11330, 11279..11338, 11295..11339, 11322..11462, 11330..11470, 11330..11470, 11464..11538, 11470..11520,		

11612..11656, 11621..11656, 11626..11658, 11651..11692,
11652..11690, 11657..11701, 11695..11730, 11737..11808,
11738..11767, 11742..11771

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83995	Strand	+
Start	13990	End	14042
Name	OJ000209_07.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	10685	End	10945
GI	none	Score	301
Exons	10685..10945, 10694..10909, 10744..10926, 10872..10931		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83995	Strand	+
Start	13990	End	14042
Name	OJ000209_07.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	10706	End	10917
GI	none	Score	257
Exons	10706..10915, 10706..10909, 10747..10917		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83995	Strand	+
Start	13990	End	14042
Name	OJ000209_07.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	10956	End	11184
GI	none	Score	104
Exons	10956..11111, 10956..11099, 10960..11124, 10960..11139, 10961..11149, 10961..11155, 11149..11184, 11150..11182		

Seq. No.	40574	Seq. ID	OJ000209_07.0323.C2
Gene No.	83995	Strand	+
Start	13990	End	14042
Name	OJ000209_07.0323.C2.o3.gp	Method	AAT/GAP
Start	13990	End	14042
GI	3409_1.R1084	Score	64
Exons	13990..14042		
GI Descrip.	'3281868/emb|CAA19764| 7.0e-47 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	40575	Seq. ID	OJ000209_07.0323.C4
Gene No.	83996	Strand	-
Start	10	End	487
Name	OJ000209_07.0323.C4.o1.gs	Method	GENSCAN
Start	10	End	487
GI	none	Score	.53
Exons	10..131, 341..487		

Seq. No.	40576	Seq. ID	OJ000209_07.0323.C8
Gene No.	83997	Strand	-
Start	1	End	227
Name	OJ000209_07.0323.C8.o1.gp	Method	AAT/GAP
Start	1	End	227
GI	426253	Score	390
Exons	1..227		

Seq. No.	40576	Seq. ID	OJ000209_07.0323.C8
Gene No.	83998	Strand	-

Start	756	End	886
Name	OJ000209_07.0323.C8.o1.gs	Method	GENSCAN
Start	756	End	886
GI	none	Score	.65
Exons	756..886		

Seq. No.	40576	Seq. ID	OJ000209_07.0323.C8
Gene No.	83999	Strand	
Start	896	End	1036
Name	OJ000209_07.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	896	End	1036
GI	none	Score	156
Exons	896..1036, 896..1036		

Seq. No.	40577	Seq. ID	OJ000209_07.0323.C10
Gene No.	84000	Strand	+
Start	1	End	702
Name	OJ000209_07.0323.C10.o1.np	Method	AAT/NAP
Start	1	End	702
GI	7489787	Score	275
Exons	1..161, 254..476, 651..702		
GI Descrip.	lysine-ketoglutarate reductase / saccharopine dehydrogenase (NADP+, L-glutamate-forming) (EC 1.5.1.-) - maize		

Seq. No.	40577	Seq. ID	OJ000209_07.0323.C10
Gene No.	84001	Strand	-
Start	376	End	496
Name	OJ000209_07.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	43	End	421
GI	none	Score	140
Exons	43..144, 68..160, 69..161, 69..161, 83..163, 251..421, 252..416, 253..417, 254..418		

Seq. No.	40577	Seq. ID	OJ000209_07.0323.C10
Gene No.	84001	Strand	-
Start	376	End	496
Name	OJ000209_07.0323.C10.o1.tc	Method	TBLASTX:Cress
Start	63	End	412
GI	none	Score	130
Exons	63..161, 64..162, 71..160, 252..395, 253..408, 254..412		

Seq. No.	40577	Seq. ID	OJ000209_07.0323.C10
Gene No.	84001	Strand	-
Start	376	End	496
Name	OJ000209_07.0323.C10.o1.gs	Method	GENSCAN
Start	376	End	496
GI	none	Score	.68
Exons	376..496		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o1.gs	Method	GENSCAN
Start	239	End	4762
GI	none	Score	.74
Exons	239..293, 416..556, 1592..1948, 1993..2556, 3611..3928, 4136..4216, 4645..4762		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o1.np	Method	AAT/NAP
Start	243	End	4904
GI	5016095	Score	825
Exons	243..293, 416..556, 3611..3928, 4136..4216, 4472..4537, 4645..4799, 4865..4904		
GI Descrip.	(AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o1.tc	Method	TBLASTX:Cress
Start	403	End	4761
GI	none	Score	200
Exons	403..558, 416..559, 3605..3685, 3621..3686, 3695..3739, 3772..3834, 3773..3865, 3884..3934, 3886..3927, 4133..4237, 4471..4539, 4496..4540, 4642..4761, 4647..4760		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o1.gp	Method	AAT/GAP
Start	416	End	787
GI	uC-osflm202103h11b1	Score	274
Exons	416..575, 765..787		
GI Descrip.	'5016095/gb|AAC18622.2| 6.0e-56 (AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]'		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o1.tm	Method	TBLASTX:Maize
Start	510	End	4219
GI	none	Score	76
Exons	510..569, 513..575, 3605..3682, 3610..3681, 3613..3684, 3661..3861, 3679..3927, 3680..3934, 3995..4216, 4110..4217, 4133..4219, 4135..4218		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o2.tm	Method	TBLASTX:Maize
Start	1373	End	4779
GI	none	Score	82
Exons	1373..1441, 4457..4537, 4470..4547, 4642..4779, 4647..4760		

Seq. No.	40578	Seq. ID	OJ000209_07.0323.C11
Gene No.	84002	Strand	+
Start	239	End	4904
Name	OJ000209_07.0323.C11.o2.gp	Method	AAT/GAP
Start	3339	End	3790
GI	uC-osflm202103h11b1	Score	303

Exons	3339..3359, 3611..3790		
GI Descrip.	'5016095/gb|AAC18622.2| 6.0e-56 (AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]'		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84003	Strand	+
Start	425	End	953
Name	OJ000209_07.0323.C16.o1.gs	Method	GENSCAN
Start	425	End	953
GI	none	Score	.52
Exons	425..755, 799..953		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84004	Strand	+
Start	5149	End	6694
Name	OJ000209_07.0323.C16.o3.gs	Method	GENSCAN
Start	5149	End	6694
GI	none	Score	.84
Exons	5149..5209, 5315..5473, 5840..6097, 6216..6694		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84005	Strand	+
Start	8606	End	16119
Name	OJ000209_07.0323.C16.o1.np	Method	AAT/NAP
Start	8606	End	12813
GI	7106512	Score	1037
Exons	8606..8665, 8739..10210, 10777..10868, 10932..11616, 12199..12381, 12462..12506, 12679..12813		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84005	Strand	+
Start	8606	End	16119
Name	OJ000209_07.0323.C16.o2.np	Method	AAT/NAP
Start	9663	End	12419
GI	5091513	Score	842
Exons	9663..10126, 10851..11613, 12196..12419		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84005	Strand	+
Start	8606	End	16119
Name	OJ000209_07.0323.C16.o7.gs	Method	GENSCAN
Start	12418	End	16119
GI	none	Score	.45
Exons	12418..12571, 14288..14413, 15873..15910, 15958..16119		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84006	Strand	-
Start	3297	End	3584
Name	OJ000209_07.0323.C16.o2.gs	Method	GENSCAN
Start	3297	End	3584
GI	none	Score	.73
Exons	3297..3584		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84007	Strand	-
Start	8251	End	9637
Name	OJ000209_07.0323.C16.o4.gs	Method	GENSCAN
Start	8251	End	9637
GI	none	Score	.77
Exons	8251..8416, 8821..8932, 9475..9637		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84008	Strand	-
Start	16326	End	17567
Name	OJ000209_07.0323.C16.o8.gs	Method	GENSCAN
Start	16326	End	17567
GI	none	Score	.46
Exons	16326..17567		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84009	Strand	-
Start	19274	End	19573
Name	OJ000209_07.0323.C16.o2.gp	Method	AAT/GAP
Start	19109	End	19435
GI	20896_1.R1084	Score	606
Exons	19109..19435		
GI Descrip.	'2492519/sp|Q41365|PRS7_SPIOL 1.0e-71 26S PROTEASE REGULATORY SUBUNIT 7 (26S PROTEASOME SUBUNIT 7) >gi_1395191_dbj_BAA13021_ (D86121) 26S proteasome ATPase subunit [Spinacia oleracea]'		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84009	Strand	-
Start	19274	End	19573
Name	OJ000209_07.0323.C16.o1.tm	Method	TBLASTX:Maize
Start	19203	End	19451
GI	none	Score	157
Exons	19203..19229, 19271..19435, 19274..19432, 19275..19451, 19281..19436		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84009	Strand	-
Start	19274	End	19573
Name	OJ000209_07.0323.C16.o1.ts	Method	TBLASTX:Soybean
Start	19255	End	19451
GI	none	Score	100
Exons	19255..19431, 19256..19432, 19256..19435, 19284..19451		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84009	Strand	-
Start	19274	End	19573
Name	OJ000209_07.0323.C16.o1.tc	Method	TBLASTX:Cress
Start	19269	End	19436
GI	none	Score	188
Exons	19269..19436, 19269..19430, 19274..19435		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84009	Strand	-
Start	19274	End	19573
Name	OJ000209_07.0323.C16.o9.gs	Method	GENSCAN
Start	19274	End	19431

GI	none	Score	.62
Exons	19274..19431		

Seq. No.	40579	Seq. ID	OJ000209_07.0323.C16
Gene No.	84009	Strand	-
Start	19274	End	19573
Name	OJ000209_07.0323.C16.o3.np	Method	AAT/NAP
Start	19277	End	19573
GI	3914449	Score	264
Exons	19277..19573		
GI Descrip.	26S PROTEASE REGULATORY SUBUNIT 7 (26S PROTEASOME SUBUNIT 7) gi|3172331 (AF041258) 26S proteasome subunit 7 [Prunus persica]		

Seq. No.	40580	Seq. ID	OJ000209_07.0323.C17
Gene No.	84010	Strand	-
Start	1	End	4345
Name	OJ000209_07.0323.C17.o1.np	Method	AAT/NAP
Start	1	End	2664
GI	5016095	Score	1205
Exons	1..20, 365..440, 803..928, 1195..1265, 1483..1656, 1894..2023, 2113..2199, 2297..2560, 2644..2664		
GI Descrip.	(AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]		

Seq. No.	40580	Seq. ID	OJ000209_07.0323.C17
Gene No.	84010	Strand	-
Start	1	End	4345
Name	OJ000209_07.0323.C17.o1.gs	Method	GENSCAN
Start	365	End	4345
GI	none	Score	.41
Exons	365..440, 803..919, 1128..1222, 1483..1614, 1894..2036, 2358..2560, 3457..3517, 3584..3802, 3807..4345		

Seq. No.	40580	Seq. ID	OJ000209_07.0323.C17
Gene No.	84010	Strand	-
Start	1	End	4345
Name	OJ000209_07.0323.C17.o1.tc	Method	TBLASTX:Cress
Start	366	End	2617
GI	none	Score	71
Exons	366..443, 373..441, 803..916, 1192..1281, 1193..1267, 1475..1654, 1484..1627, 1485..1655, 1889..2023, 1892..2026, 1893..2024, 2110..2202, 2128..2193, 2288..2440, 2297..2416, 2301..2420, 2454..2546, 2455..2538, 2457..2540, 2459..2617		

Seq. No.	40580	Seq. ID	OJ000209_07.0323.C17
Gene No.	84010	Strand	-
Start	1	End	4345
Name	OJ000209_07.0323.C17.o1.ts	Method	TBLASTX:Soybean
Start	2116	End	2552
GI	none	Score	66
Exons	2116..2202, 2117..2200, 2128..2202, 2288..2434, 2295..2417, 2297..2419, 2448..2531, 2459..2548, 2460..2552		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84011	Strand	+
Start	176	End	1794
Name	OJ000209_07.0323.C18.o1.gs	Method	GENSCAN

Start	176	End	1794
GI	none	Score	.56
Exons	176..274, 1485..1541, 1713..1794		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84012	Strand	+
Start	6868	End	11962
Name	OJ000209_07.0323.C18.o3.gs	Method	GENSCAN
Start	6868	End	11962
GI	none	Score	.61
Exons	6868..6910, 7856..7928, 8716..9092, 9256..9383, 9449..9637, 9707..9765, 9849..10281, 10306..10485, 10522..10613, 10749..10873, 11227..11335, 11410..11587, 11810..11962		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84012	Strand	+
Start	6868	End	11962
Name	OJ000209_07.0323.C18.o1.np	Method	AAT/NAP
Start	9153	End	10614
GI	6721561	Score	1088
Exons	9153..9221, 9449..9637, 9707..9765, 9849..10614		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84013	Strand	+
Start	13844	End	15600
Name	OJ000209_07.0323.C18.o3.np	Method	AAT/NAP
Start	13844	End	15600
GI	7228450	Score	183
Exons	13844..13874, 15031..15128, 15262..15381, 15483..15600		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84014	Strand	+
Start	16650	End	17815
Name	OJ000209_07.0323.C18.o4.np	Method	AAT/NAP
Start	16650	End	17815
GI	7228450	Score	67
Exons	16650..16755, 17611..17815		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o4.gs	Method	GENSCAN
Start	12134	End	14716
GI	none	Score	.58
Exons	12134..12484, 12530..13523, 13601..14383, 14463..14716		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o2.np	Method	AAT/NAP

Start	12137	End	16260
GI	5902445	Score	2333
Exons	12137..13424, 13464..14716, 16207..16260		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o2.tw	Method	TBLASTX:Wheat
Start	12146	End	12742
GI	none	Score	65
Exons	12146..12280, 12165..12272, 12302..12742, 12498..12605, 12651..12740		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o3.tw	Method	TBLASTX:Wheat
Start	12878	End	13261
GI	none	Score	194
Exons	12878..13261, 12879..13253		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o1.tm	Method	TBLASTX:Maize
Start	12956	End	13261
GI	none	Score	166
Exons	12956..13261, 12957..13244		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o4.tw	Method	TBLASTX:Wheat
Start	13762	End	14170
GI	none	Score	63
Exons	13762..13917, 13814..13906, 13943..14170, 13945..14169		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o2.tm	Method	TBLASTX:Maize
Start	14165	End	14587
GI	none	Score	40
Exons	14165..14194, 14167..14193, 14243..14317, 14247..14315, 14336..14587, 14358..14567		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-
Start	12134	End	16260
Name	OJ000209_07.0323.C18.o1.ts	Method	TBLASTX:Soybean
Start	14267	End	14683
GI	none	Score	75
Exons	14267..14683, 14499..14624		

Seq. No.	40581	Seq. ID	OJ000209_07.0323.C18
Gene No.	84015	Strand	-

Start	12134	End	16260
Name	OJ000209_07.0323.C18.o1.tw	Method	TBLASTX:Wheat
Start	14313	End	14710
GI	none	Score	241
Exons	14313..14627, 14315..14710, 14477..14638		

Seq. No.	40582	Seq. ID	OJ000209_07.0323.C21
Gene No.	84016	Strand	+
Start	1	End	6253
Name	OJ000209_07.0323.C21.o1.np	Method	AAT/NAP
Start	1	End	1877
GI	7485467	Score	509
Exons	1..426, 641..790, 898..974, 1099..1224, 1295..1877		
GI Descrip.	hypothetical protein F13P17.19 - Arabidopsis thaliana gi|3337366|gb|AAC27411.1| (AC004481) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	40582	Seq. ID	OJ000209_07.0323.C21
Gene No.	84016	Strand	+
Start	1	End	6253
Name	OJ000209_07.0323.C21.o1.gs	Method	GENSCAN
Start	689	End	3482
GI	none	Score	.61
Exons	689..790, 829..974, 1102..1224, 1298..1855, 2998..3103, 3315..3482		

Seq. No.	40582	Seq. ID	OJ000209_07.0323.C21
Gene No.	84016	Strand	+
Start	1	End	6253
Name	OJ000209_07.0323.C21.o2.np	Method	AAT/NAP
Start	3157	End	6253
GI	7340868	Score	221
Exons	3157..3278, 4835..5024, 6207..6253		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	40582	Seq. ID	OJ000209_07.0323.C21
Gene No.	84017	Strand	-
Start	4129	End	6879
Name	OJ000209_07.0323.C21.o1.tm	Method	TBLASTX:Maize
Start	324	End	1515
GI	none	Score	168
Exons	324..428, 325..438, 686..793, 694..789, 886..975, 886..981, 1091..1153, 1093..1152, 1100..1156, 1148..1237, 1149..1220, 1151..1216, 1293..1412, 1310..1411, 1312..1419, 1414..1515, 1417..1515		

Seq. No.	40582	Seq. ID	OJ000209_07.0323.C21
Gene No.	84017	Strand	-
Start	4129	End	6879
Name	OJ000209_07.0323.C21.o1.tc	Method	TBLASTX:Cress
Start	1610	End	1811
GI	none	Score	185
Exons	1610..1759, 1611..1811, 1614..1793		

Seq. No.	40582	Seq. ID	OJ000209_07.0323.C21
Gene No.	84017	Strand	-
Start	4129	End	6879

Name	OJ000209_07.0323.C21.o2.gs	Method	GENSCAN
Start	4129	End	6879
GI	none	Score	.46
Exons	4129..4294, 6133..6260, 6295..6375, 6874..6879		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o1.gp	Method	AAT/GAP
Start	341	End	766
GI	4715685	Score	272
Exons	341..432, 524..606, 693..766		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o1.np	Method	AAT/NAP
Start	549	End	2670
GI	7491916	Score	219
Exons	549..603, 693..837, 2046..2087, 2210..2247, 2444..2670		
GI Descrip.	hypothetical protein SPCC4G3.15c - fission yeast (Schizosaccharomyces pombe) gi|2213558|emb|CAB09770.1| (Z97052) hypothetical protein [Schizosaccharomyces pombe]		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o1.gs	Method	GENSCAN
Start	693	End	2606
GI	none	Score	.69
Exons	693..837, 1476..1598, 2046..2087, 2210..2262, 2455..2606		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o2.tm	Method	TBLASTX:Maize
Start	697	End	837
GI	none	Score	160
Exons	697..837, 699..836		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o1.ts	Method	TBLASTX:Soybean
Start	786	End	2751
GI	none	Score	225
Exons	786..836, 2045..2104, 2212..2253, 2456..2731, 2458..2751		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o2.np	Method	AAT/NAP
Start	2012	End	2761
GI	6807843	Score	129
Exons	2012..2087, 2210..2272, 2455..2761		
GI Descrip.	(AL137674) hypothetical protein [Homo sapiens]		

Seq. No.	40583	Seq. ID	OJ000209_07.0323.C22
Gene No.	84018	Strand	-
Start	341	End	2761
Name	OJ000209_07.0323.C22.o1.tm	Method	TBLASTX:Maize
Start	2455	End	2761
GI	none	Score	312
Exons	2455..2712, 2456..2695, 2602..2703, 2685..2759, 2708..2761, 2715..2759		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84019	Strand	+
Start	1	End	2158
Name	OJ000209_07.0323.C25.o3.np	Method	AAT/NAP
Start	1	End	2158
GI	7488318	Score	48
Exons	1..98, 1967..2158		
GI Descrip.	RNA-directed DNA polymerase homolog F21E10.5 - Arabidopsis thaliana gi|3047086|gb|AAC13599.1| (AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84020	Strand	-
Start	1	End	269
Name	OJ000209_07.0323.C25.o1.gp	Method	AAT/GAP
Start	1	End	269
GI	41292_1.R1084	Score	391
Exons	1..269		
GI Descrip.	'5016095/gb|AAC18622.2| 6.0e-26 (AF003551) lysine-ketoglutarate reductase/saccharopine dehydrogenase bifunctional enzyme [Zea mays]'		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84021	Strand	-
Start	1000	End	1952
Name	OJ000209_07.0323.C25.o2.np	Method	AAT/NAP
Start	1000	End	1952
GI	7267526	Score	192
Exons	1000..1065, 1114..1545, 1609..1952		
GI Descrip.	(AL161513) putative protein [Arabidopsis thaliana] gi|7321072|emb|CAB82119.1| (AL161813) putative protein [Arabidopsis thaliana]		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84022	Strand	-
Start	2078	End	3689
Name	OJ000209_07.0323.C25.o4.np	Method	AAT/NAP
Start	2078	End	3680
GI	5903055	Score	70
Exons	2078..2097, 3490..3680		
GI Descrip.	(AC008016) May be a pseudogene of F6D8.29. [Arabidopsis thaliana]		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84022	Strand	-
Start	2078	End	3689
Name	OJ000209_07.0323.C25.o2.gs	Method	GENSCAN

Start	2388	End	3689
GI	none	Score	.97
Exons	2388..3689		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84023	Strand	-
Start	4402	End	4802
Name	OJ000209_07.0323.C25.o1.tw	Method	TBLASTX:Wheat
Start	1007	End	1364
GI	none	Score	98
Exons	1007..1171, 1018..1209, 1182..1364		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84023	Strand	-
Start	4402	End	4802
Name	OJ000209_07.0323.C25.o1.tm	Method	TBLASTX:Maize
Start	1097	End	1566
GI	none	Score	52
Exons	1097..1165, 1098..1166, 1197..1559, 1197..1565, 1306..1566		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84023	Strand	-
Start	4402	End	4802
Name	OJ000209_07.0323.C25.o2.tw	Method	TBLASTX:Wheat
Start	1464	End	1932
GI	none	Score	77
Exons	1464..1562, 1653..1907, 1666..1932		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84023	Strand	-
Start	4402	End	4802
Name	OJ000209_07.0323.C25.o2.tm	Method	TBLASTX:Maize
Start	1608	End	1844
GI	none	Score	58
Exons	1608..1844, 1630..1803		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84023	Strand	-
Start	4402	End	4802
Name	OJ000209_07.0323.C25.o3.tm	Method	TBLASTX:Maize
Start	1949	End	2128
GI	none	Score	179
Exons	1949..2128		

Seq. No.	40584	Seq. ID	OJ000209_07.0323.C25
Gene No.	84023	Strand	-
Start	4402	End	4802
Name	OJ000209_07.0323.C25.o3.gs	Method	GENSCAN
Start	4402	End	4802
GI	none	Score	.94
Exons	4402..4509, 4701..4802		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84024	Strand	+
Start	986	End	6710
Name	OJ000209_07.0323.C26.o1.gs	Method	GENSCAN
Start	986	End	6710

GI	none	Score	.53
Exons	986..1226, 2962..3047, 3644..4247, 4447..4574, 4640..4828, 4898..4956, 5133..5349, 5419..5804, 5940..6064, 6196..6710		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84024	Strand	+
Start	986	End	6710
Name	OJ000209_07.0323.C26.o1.np	Method	AAT/NAP
Start	4344	End	5805
GI	6721561	Score	1135
Exons	4344..4412, 4640..4828, 4898..4956, 5040..5805		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o2.gs	Method	GENSCAN
Start	7040	End	12370
GI	none	Score	.65
Exons	7040..8461, 8578..9339, 9427..9691, 9749..10133, 10357..10812, 11007..11291, 11302..11809, 11951..12370		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o6.tw	Method	TBLASTX:Wheat
Start	7133	End	7387
GI	none	Score	109
Exons	7133..7387, 7182..7379		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o3.tm	Method	TBLASTX:Maize
Start	7133	End	7387
GI	none	Score	128
Exons	7133..7387, 7134..7349		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o2.np	Method	AAT/NAP
Start	7136	End	11074
GI	7228457	Score	2179
Exons	7136..9498, 9556..11074		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o2.ts	Method	TBLASTX:Soybean

Start	7739	End	8122
GI	none	Score	83
Exons	7739..7990, 8015..8122		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o4.tw	Method	TBLASTX:Wheat
Start	7838	End	8245
GI	none	Score	35
Exons	7838..7903, 7838..7993, 7890..7982, 8019..8180, 8021..8245		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o1.ts	Method	TBLASTX:Soybean
Start	8336	End	8760
GI	none	Score	107
Exons	8336..8548, 8572..8760, 8576..8734		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o2.tw	Method	TBLASTX:Wheat
Start	8391	End	8814
GI	none	Score	99
Exons	8391..8579, 8393..8572, 8561..8800, 8563..8715, 8572..8814, 8573..8809		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o2.tm	Method	TBLASTX:Maize
Start	8489	End	8871
GI	none	Score	181
Exons	8489..8584, 8572..8871, 8588..8836		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o1.tm	Method	TBLASTX:Maize
Start	8899	End	9255
GI	none	Score	226
Exons	8899..9255, 8900..9193, 8965..9213		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o1.tw	Method	TBLASTX:Wheat
Start	8929	End	9385
GI	none	Score	360
Exons	8929..9384, 8930..9385		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o3.ts	Method	TBLASTX:Soybean

Start	8980	End	9345
GI	none	Score	106
Exons	8980..9114, 9121..9345		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o3.tw	Method	TBLASTX:Wheat
Start	9577	End	10032
GI	none	Score	36
Exons	9577..9813, 9587..9643, 9592..9801, 9695..9811, 9850..10032, 9851..10024		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o5.tw	Method	TBLASTX:Wheat
Start	10664	End	11062
GI	none	Score	82
Exons	10664..10939, 10665..10892, 10898..11011, 10950..11000, 11012..11062		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o4.tm	Method	TBLASTX:Maize
Start	10778	End	11017
GI	none	Score	190
Exons	10778..11017		

Seq. No.	40585	Seq. ID	OJ000209_07.0323.C26
Gene No.	84025	Strand	-
Start	7040	End	13194
Name	OJ000209_07.0323.C26.o3.np	Method	AAT/NAP
Start	10864	End	13194
GI	7523517	Score	220
Exons	10864..10928, 12540..12578, 12729..12939, 13094..13194		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40586	Seq. ID	OJ000209_07.0323.C28
Gene No.	84026	Strand	+
Start	294	End	2343
Name	OJ000209_07.0323.C28.o1.np	Method	AAT/NAP
Start	294	End	2343
GI	7486477	Score	944
Exons	294..351, 1463..2343		
GI Descrip.	hypothetical protein F6E13.15 - Arabidopsis thaliana gi|3212859|gb|AAC23410.1| (AC004005) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40586	Seq. ID	OJ000209_07.0323.C28
Gene No.	84026	Strand	+
Start	294	End	2343
Name	OJ000209_07.0323.C28.o1.ts	Method	TBLASTX:Soybean
Start	1598	End	2266
GI	none	Score	377
Exons	1598..1975, 1696..1773, 1796..1981, 1819..1857, 1909..1965,		

2015..2266

Seq. No.	40586	Seq. ID	OJ000209_07.0323.C28
Gene No.	84026	Strand	+
Start	294	End	2343
Name	OJ000209_07.0323.C28.o1.tc	Method	TBLASTX:Cress
Start	1637	End	2269
GI	none	Score	332
Exons	1637..1981, 1661..1933, 1909..1980, 1973..2260, 2015..2269		

Seq. No.	40586	Seq. ID	OJ000209_07.0323.C28
Gene No.	84026	Strand	+
Start	294	End	2343
Name	OJ000209_07.0323.C28.o1.tm	Method	TBLASTX:Maize
Start	1637	End	2260
GI	none	Score	474
Exons	1637..1936, 1696..1935, 1880..1936, 2015..2260		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84027	Strand	+
Start	2040	End	4804
Name	OJ000209_07.0323.C29.o1.np	Method	AAT/NAP
Start	2040	End	4804
GI	7529744	Score	999
Exons	2040..2181, 2873..3461, 3510..3681, 4125..4804		
GI Descrip.	(AL163527) pectinesterase precursor-like protein [Arabidopsis thaliana]		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84027	Strand	+
Start	2040	End	4804
Name	OJ000209_07.0323.C29.o2.gs	Method	GENSCAN
Start	2616	End	4804
GI	none	Score	.62
Exons	2616..3747, 4125..4804		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84028	Strand	+
Start	7803	End	7865
Name	OJ000209_07.0323.C29.o2.gp	Method	AAT/GAP
Start	7803	End	7865
GI	2310474	Score	77
Exons	7803..7865		
GI Descrip.	5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84029	Strand	-
Start	5239	End	5834
Name	OJ000209_07.0323.C29.o1.gp	Method	AAT/GAP
Start	5013	End	5834
GI	19313_1.R1084	Score	1108
Exons	5013..5344, 5455..5579, 5670..5834		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29

Gene No.	84029	Strand	-
Start	5239	End	5834
Name	OJ000209_07.0323.C29.o3.gs	Method	GENSCAN
Start	5239	End	5753
GI	none	Score	.94
Exons	5239..5344, 5455..5579, 5670..5753		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o1.tm	Method	TBLASTX:Maize
Start	3377	End	4798
GI	none	Score	46
Exons	3377..3439, 3378..3440, 3518..3631, 3531..3686, 4124..4474, 4126..4473, 4139..4474, 4483..4605, 4484..4699, 4629..4661, 4715..4798		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o1.tc	Method	TBLASTX:Cress
Start	3390	End	4777
GI	none	Score	41
Exons	3390..3440, 3558..3686, 4123..4386, 4124..4387, 4403..4492, 4405..4491, 4484..4777		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o1.ts	Method	TBLASTX:Soybean
Start	3524	End	4795
GI	none	Score	130
Exons	3524..3622, 3531..3680, 4123..4458, 4124..4492, 4142..4468, 4508..4795, 4564..4611, 4678..4767		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o1.tw	Method	TBLASTX:Wheat
Start	4165	End	4552
GI	none	Score	296
Exons	4165..4473, 4166..4474, 4502..4552		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o2.tw	Method	TBLASTX:Wheat
Start	4574	End	4801
GI	none	Score	182
Exons	4574..4801		

Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o3.tm	Method	TBLASTX:Maize
Start	5284	End	5586
GI	none	Score	75

Exons	5284..5346, 5284..5343, 5454..5585, 5454..5585, 5455..5586		
Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o3.tw	Method	TBLASTX:Wheat
Start	5482	End	5821
GI	none	Score	131
Exons	5482..5580, 5484..5582, 5667..5765, 5780..5806, 5783..5821		
Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o4.gs	Method	GENSCAN
Start	6761	End	8587
GI	none	Score	.66
Exons	6761..7272, 7352..7401, 8097..8163, 8258..8392, 8476..8587		
Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o4.tm	Method	TBLASTX:Maize
Start	6761	End	6925
GI	none	Score	225
Exons	6761..6925, 6762..6923, 6763..6924, 6764..6925		
Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o2.tm	Method	TBLASTX:Maize
Start	7153	End	9284
GI	none	Score	95
Exons	7153..7281, 7161..7265, 7338..7466, 7340..7471, 7375..7467, 7382..7471, 7556..7717, 7557..7718, 7564..7719, 7571..7720, 7882..8031, 7883..8008, 8089..8163, 8093..8164, 8094..8165, 8256..8363, 8257..8367, 8257..8364, 8462..8605, 8468..8590, 9189..9284, 9193..9282, 9194..9283		
Seq. No.	40587	Seq. ID	OJ000209_07.0323.C29
Gene No.	84030	Strand	-
Start	6761	End	9284
Name	OJ000209_07.0323.C29.o2.ts	Method	TBLASTX:Soybean
Start	8094	End	8641
GI	none	Score	85
Exons	8094..8168, 8094..8165, 8256..8309, 8304..8366, 8304..8366, 8478..8588, 8480..8641		
Seq. No.	40588	Seq. ID	OJ000209_07.0323.C31
Gene No.	84031	Strand	-
Start	1	End	1221
Name	OJ000209_07.0323.C31.o1.np	Method	AAT/NAP
Start	1	End	1206
GI	7487361	Score	368
Exons	1..96, 227..455, 748..913, 1002..1206		
GI Descrip.	hypothetical protein T22J18.20 - Arabidopsis thaliana gi|3287695|gb|AAC25523.1| (AC003979) Similar to hypothetical protein C34B7.2 gb|1729503 from C. elegans cosmid gb|Z83220.		

[Arabidopsis thaliana]

Seq. No.	40588	Seq. ID	OJ000209_07.0323.C31
Gene No.	84031	Strand	-
Start	1	End	1221
Name	OJ000209_07.0323.C31.o1.ts	Method	TBLASTX:Soybean
Start	195	End	414
GI	none	Score	141
Exons	195..410, 231..323, 232..414,	233..409	

Seq. No.	40588	Seq. ID	OJ000209_07.0323.C31
Gene No.	84031	Strand	-
Start	1	End	1221
Name	OJ000209_07.0323.C31.o1.tc	Method	TBLASTX:Cress
Start	315	End	1221
GI	none	Score	65
Exons	315..455, 317..457, 366..458, 1000..1221, 1001..1054	744..839, 847..915, 849..914,	

Seq. No.	40588	Seq. ID	OJ000209_07.0323.C31
Gene No.	84031	Strand	-
Start	1	End	1221
Name	OJ000209_07.0323.C31.o1.tm	Method	TBLASTX:Maize
Start	378	End	1191
GI	none	Score	100
Exons	378..458, 380..457, 381..458, 1002..1190	744..914, 748..915, 1000..1191,	

Seq. No.	40588	Seq. ID	OJ000209_07.0323.C31
Gene No.	84031	Strand	-
Start	1	End	1221
Name	OJ000209_07.0323.C31.o2.ts	Method	TBLASTX:Soybean
Start	743	End	1134
GI	none	Score	59
Exons	743..817, 745..915, 747..914,	1000..1134, 1001..1117	

Seq. No.	40588	Seq. ID	OJ000209_07.0323.C31
Gene No.	84031	Strand	-
Start	1	End	1221
Name	OJ000209_07.0323.C31.o1.gs	Method	GENSCAN
Start	748	End	1206
GI	none	Score	.95
Exons	748..913, 1002..1206		

Seq. No.	40589	Seq. ID	OJ000209_07.0323.C32
Gene No.	84032	Strand	+
Start	38	End	1851
Name	OJ000209_07.0323.C32.o1.gs	Method	GENSCAN
Start	38	End	1851
GI	none	Score	.75
Exons	38..192, 221..395, 1657..1851		

Seq. No.	40589	Seq. ID	OJ000209_07.0323.C32
Gene No.	84033	Strand	-
Start	1	End	269
Name	OJ000209_07.0323.C32.o1.gp	Method	AAT/GAP
Start	1	End	269

GI	568903	Score	516
Exons	1..269		
Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84034	Strand	+
Start	585	End	4625
Name	OJ000209_07.0323.C33.o1.gs	Method	GENSCAN
Start	585	End	4625
GI	none	Score	.69
Exons	585..663, 4269..4351, 4455..4625		
Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84035	Strand	+
Start	10570	End	11056
Name	OJ000209_07.0323.C33.o3.gs	Method	GENSCAN
Start	10570	End	11056
GI	none	Score	.5
Exons	10570..10808, 10897..11056		
Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84036	Strand	+
Start	12389	End	12516
Name	OJ000209_07.0323.C33.o2.gp	Method	AAT/GAP
Start	12389	End	12516
GI	uC-osflcyp151f11b1	Score	240
Exons	12389..12516		
GI Descrip.	'1350548 5.0e-14 (L47609) heat shock-like protein [Picea glauca]'		
Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84037	Strand	-
Start	5894	End	9028
Name	OJ000209_07.0323.C33.o2.gs	Method	GENSCAN
Start	5894	End	9028
GI	none	Score	.82
Exons	5894..6105, 6488..6596, 7379..7501, 7862..8122, 8211..8496, 8627..8710, 8886..9028		
Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84037	Strand	-
Start	5894	End	9028
Name	OJ000209_07.0323.C33.o1.np	Method	AAT/NAP
Start	7850	End	8444
GI	4587546	Score	255
Exons	7850..8122, 8211..8342, 8373..8444		
GI Descrip.	(AC006577) Belongs to the PF|00011 Hsp20/alpha crystallin family. EST gb|W4312 comes from this gene. [Arabidopsis thaliana]		
Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84037	Strand	-
Start	5894	End	9028
Name	OJ000209_07.0323.C33.o1.gp	Method	AAT/GAP
Start	8006	End	8483
GI	68878_1.R1084	Score	699
Exons	8006..8122, 8211..8483		
GI Descrip.	'4587546/gb|AAD25777.1|AC006577_13 3.0e-10 (AC006577) Belongs to		

the PF_00011 Hsp20/alpha crystallin family. EST gb_W4312 comes from this gene. [Arabidopsis thaliana]'

Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84038	Strand	-
Start	11489	End	12483
Name	OJ000209_07.0323.C33.o1.tm	Method	TBLASTX:Maize
Start	7847	End	8457
GI	none	Score	209
Exons	7847..8125, 7851..8027, 8090..8125, 8193..8306, 8208..8294, 8209..8307, 8397..8456, 8397..8456, 8413..8457		

Seq. No.	40590	Seq. ID	OJ000209_07.0323.C33
Gene No.	84038	Strand	-
Start	11489	End	12483
Name	OJ000209_07.0323.C33.o4.gs	Method	GENSCAN
Start	11489	End	12483
GI	none	Score	.58
Exons	11489..11636, 12407..12483		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84039	Strand	+
Start	1432	End	2262
Name	OJ000209_07.0323.C34.o1.gp	Method	AAT/GAP
Start	1386	End	1827
GI	uC-osflcyp151f11b1	Score	334
Exons	1386..1480, 1650..1723, 1798..1827		
GI Descrip.	'1350548 5.0e-14 (L47609) heat shock-like protein [Picea glauca]'		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84039	Strand	+
Start	1432	End	2262
Name	OJ000209_07.0323.C34.o2.gs	Method	GENSCAN
Start	1432	End	2262
GI	none	Score	.88
Exons	1432..1480, 1650..1723, 1798..1860, 2227..2262		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84040	Strand	+
Start	2869	End	4594
Name	OJ000209_07.0323.C34.o2.gp	Method	AAT/GAP
Start	2869	End	4594
GI	none	Score	485
Exons	2869..2954, 3647..3671, 4343..4594		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84041	Strand	-
Start	1	End	6021
Name	OJ000209_07.0323.C34.o1.np	Method	AAT/NAP
Start	1	End	4578
GI	6069646	Score	430
Exons	1..969, 4491..4578		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84041	Strand	-
Start	1	End	6021
Name	OJ000209_07.0323.C34.o1.gs	Method	GENSCAN
Start	7	End	1085
GI	none	Score	.48
Exons	7..1085		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84041	Strand	-
Start	1	End	6021
Name	OJ000209_07.0323.C34.o3.gs	Method	GENSCAN
Start	4307	End	6021
GI	none	Score	.44
Exons	4307..4609, 5947..6021		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84042	Strand	-
Start	7130	End	8330
Name	OJ000209_07.0323.C34.o3.tm	Method	TBLASTX:Maize
Start	27	End	509
GI	none	Score	53
Exons	27..194, 42..122, 168..509, 220..480		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84042	Strand	-
Start	7130	End	8330
Name	OJ000209_07.0323.C34.o4.tm	Method	TBLASTX:Maize
Start	819	End	1035
GI	none	Score	77
Exons	819..1034, 820..1035		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84042	Strand	-
Start	7130	End	8330
Name	OJ000209_07.0323.C34.o1.tm	Method	TBLASTX:Maize
Start	1387	End	1904
GI	none	Score	190
Exons	1387..1500, 1389..1502, 1529..1648, 1530..1646, 1550..1696, 1551..1655, 1555..1698, 1579..1677, 1796..1879, 1804..1878, 1878..1904, 1880..1903		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84042	Strand	-
Start	7130	End	8330
Name	OJ000209_07.0323.C34.o5.tm	Method	TBLASTX:Maize
Start	2654	End	2956
GI	none	Score	74
Exons	2654..2734, 2655..2744, 2656..2778, 2664..2732, 2690..2734, 2804..2908, 2833..2952, 2849..2956, 2850..2915, 2851..2955		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84042	Strand	-
Start	7130	End	8330
Name	OJ000209_07.0323.C34.o4.gs	Method	GENSCAN

Start	7130	End	8186
GI	none	Score	.73
Exons	7130..7235, 8113..8186		

Seq. No.	40591	Seq. ID	OJ000209_07.0323.C34
Gene No.	84042	Strand	-
Start	7130	End	8330
Name	OJ000209_07.0323.C34.o2.tm	Method	TBLASTX:Maize
Start	7542	End	8330
GI	none	Score	69
Exons	7542..7634, 7575..7634, 7576..7662, 7732..7836, 7732..7851, 7733..7852, 7832..7900, 8015..8038, 8055..8111, 8086..8271, 8087..8212, 8209..8274, 8226..8330, 8227..8271, 8277..8330		

Seq. No.	40592	Seq. ID	OJ000229_06.0323.C1
Gene No.	84043	Strand	-
Start	105	End	213
Name	OJ000229_06.0323.C1.o1.gs	Method	GENSCAN
Start	105	End	213
GI	none	Score	.96
Exons	105..213		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84044	Strand	+
Start	3973	End	4689
Name	OJ000229_06.0323.C2.o2.np	Method	AAT/NAP
Start	3958	End	4671
GI	4335754	Score	470
Exons	3958..4671		
GI Descrip.	(AC006284) putative purple acid phosphatase [Arabidopsis thaliana]		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84044	Strand	+
Start	3973	End	4689
Name	OJ000229_06.0323.C2.o2.gs	Method	GENSCAN
Start	3973	End	4689
GI	none	Score	.78
Exons	3973..4689		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84045	Strand	-
Start	2317	End	2743
Name	OJ000229_06.0323.C2.o1.np	Method	AAT/NAP
Start	1019	End	2743
GI	4056494	Score	430
Exons	1019..1103, 2324..2743		
GI Descrip.	(AC005896) putative protein translocase [Arabidopsis thaliana]		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84045	Strand	-
Start	2317	End	2743
Name	OJ000229_06.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	2295	End	2720
GI	none	Score	284
Exons	2295..2342, 2329..2565, 2333..2566, 2567..2704, 2568..2720		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84045	Strand	-
Start	2317	End	2743
Name	OJ000229_06.0323.C2.o1.gs	Method	GENSCAN
Start	2317	End	2671
GI	none	Score	.83
Exons	2317..2505, 2543..2671		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84045	Strand	-
Start	2317	End	2743
Name	OJ000229_06.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	2329	End	2720
GI	none	Score	173
Exons	2329..2559, 2329..2565, 2336..2566, 2567..2704, 2580..2720		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84045	Strand	-
Start	2317	End	2743
Name	OJ000229_06.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	2398	End	2720
GI	none	Score	112
Exons	2398..2445, 2443..2565, 2444..2566, 2567..2704, 2568..2720		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84045	Strand	-
Start	2317	End	2743
Name	OJ000229_06.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	2473	End	2720
GI	none	Score	114
Exons	2473..2565, 2474..2566, 2567..2704, 2580..2720		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84046	Strand	
Start	4069	End	4400
Name	OJ000229_06.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	4069	End	4400
GI	none	Score	462
Exons	4069..4398, 4080..4154, 4275..4400		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84046	Strand	
Start	4069	End	4400
Name	OJ000229_06.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	4069	End	4329
GI	none	Score	193
Exons	4069..4236, 4089..4154, 4246..4329		

Seq. No.	40593	Seq. ID	OJ000229_06.0323.C2
Gene No.	84047	Strand	
Start	4402	End	4575
Name	OJ000229_06.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	4402	End	4575
GI	none	Score	222
Exons	4402..4575, 4404..4574		

Seq. No.	40594	Seq. ID	OJ000229_06.0323.C3

Gene No.	84048	Strand	-
Start	417	End	486
Name	OJ000229_06.0323.C3.o1.gp	Method	AAT/GAP
Start	417	End	486
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	417..486		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40594	Seq. ID	OJ000229_06.0323.C3
Gene No.	84049	Strand	-
Start	5154	End	8375
Name	OJ000229_06.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	2602	End	2830
GI	none	Score	103
Exons	2602..2829, 2603..2830		

Seq. No.	40594	Seq. ID	OJ000229_06.0323.C3
Gene No.	84049	Strand	-
Start	5154	End	8375
Name	OJ000229_06.0323.C3.o2.gp	Method	AAT/GAP
Start	5154	End	8375
GI	1296_1.R1084	Score	1233
Exons	5154..5548, 5627..5706, 8185..8375		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 2.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	40595	Seq. ID	OJ000229_06.0323.C4
Gene No.	84050	Strand	+
Start	163	End	582
Name	OJ000229_06.0323.C4.o1.gp	Method	AAT/GAP
Start	163	End	582
GI	none	Score	824
Exons	163..582		

Seq. No.	40595	Seq. ID	OJ000229_06.0323.C4
Gene No.	84051	Strand	-
Start	494	End	1260
Name	OJ000229_06.0323.C4.o1.gs	Method	GENSCAN
Start	494	End	1260
GI	none	Score	.78
Exons	494..710, 836..961, 1050..1142, 1246..1260		

Seq. No.	40595	Seq. ID	OJ000229_06.0323.C4
Gene No.	84051	Strand	-
Start	494	End	1260
Name	OJ000229_06.0323.C4.o1.tm	Method	TBLASTX:Maize
Start	598	End	1138
GI	none	Score	40
Exons	598..639, 642..713, 666..713, 828..962, 835..963, 836..964, 836..964, 909..968, 1045..1125, 1049..1138, 1049..1138		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84052	Strand	-
Start	993	End	1429
Name	OJ000229_06.0323.C9.o1.gs	Method	GENSCAN

Start	993	End	1429
GI	none	Score	.98
Exons	993..1117, 1197..1429		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84053	Strand	-
Start	3505	End	5786
Name	OJ000229_06.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	3410	End	4663
GI	none	Score	43
Exons	3410..3463, 3411..3452, 3495..3608, 3502..3618, 3508..3612, 3509..3622, 4121..4210, 4126..4206, 4295..4351, 4297..4347, 4575..4661, 4595..4663, 4595..4663		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84053	Strand	-
Start	3505	End	5786
Name	OJ000229_06.0323.C9.o1.tc	Method	TBLASTX:Cress
Start	3505	End	4665
GI	none	Score	65
Exons	3505..3615, 3505..3618, 3512..3637, 4108..4215, 4121..4210, 4297..4347, 4555..4665		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84053	Strand	-
Start	3505	End	5786
Name	OJ000229_06.0323.C9.o2.gs	Method	GENSCAN
Start	3505	End	5741
GI	none	Score	.93
Exons	3505..3619, 4122..4245, 4557..4663, 4903..4970, 5370..5437, 5687..5741		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84053	Strand	-
Start	3505	End	5786
Name	OJ000229_06.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	3505	End	4192
GI	none	Score	160
Exons	3505..3618, 3509..3637, 4121..4192		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84053	Strand	-
Start	3505	End	5786
Name	OJ000229_06.0323.C9.o1.np	Method	AAT/NAP
Start	3508	End	5042
GI	7430745	Score	438
Exons	3508..3619, 4122..4204, 4297..4346, 4557..4668, 4940..5042		
GI Descrip.	adrenodoxin homolog F7J7.30 - Arabidopsis thaliana gi|2911066|emb|CAA17528.1| (AL021960) adrenodoxin-like protein [Arabidopsis thaliana] gi|7268906|emb|CAB79109.1| (AL161554) adrenodoxin-like protein [Arabidopsis thaliana]		

Seq. No.	40596	Seq. ID	OJ000229_06.0323.C9
Gene No.	84053	Strand	-
Start	3505	End	5786
Name	OJ000229_06.0323.C9.o1.gp	Method	AAT/GAP
Start	5350	End	5786

GI	2310285	Score	798
Exons	5350..5786		

Seq. No.	40597	Seq. ID	OJ000229_06.0323.C10
Gene No.	84054	Strand	+
Start	1037	End	1843
Name	OJ000229_06.0323.C10.o1.np	Method	AAT/NAP
Start	1037	End	1843
GI	4914332	Score	1040
Exons	1037..1843		
GI Descrip.	(AC005489) F14N23.18 [Arabidopsis thaliana]		

Seq. No.	40597	Seq. ID	OJ000229_06.0323.C10
Gene No.	84054	Strand	+
Start	1037	End	1843
Name	OJ000229_06.0323.C10.o1.ts	Method	TBLASTX:Soybean
Start	1122	End	1597
GI	none	Score	240
Exons	1122..1520, 1123..1569, 1124..1570, 1559..1597, 1573..1596		

Seq. No.	40597	Seq. ID	OJ000229_06.0323.C10
Gene No.	84054	Strand	+
Start	1037	End	1843
Name	OJ000229_06.0323.C10.o1.gs	Method	GENSCAN
Start	1124	End	1836
GI	none	Score	.97
Exons	1124..1836		

Seq. No.	40597	Seq. ID	OJ000229_06.0323.C10
Gene No.	84054	Strand	+
Start	1037	End	1843
Name	OJ000229_06.0323.C10.o1.tm	Method	TBLASTX:Maize
Start	1150	End	1378
GI	none	Score	378
Exons	1150..1377, 1151..1378		

Seq. No.	40597	Seq. ID	OJ000229_06.0323.C10
Gene No.	84054	Strand	+
Start	1037	End	1843
Name	OJ000229_06.0323.C10.o2.tm	Method	TBLASTX:Maize
Start	1651	End	1843
GI	none	Score	331
Exons	1651..1842, 1652..1843		

Seq. No.	40597	Seq. ID	OJ000229_06.0323.C10
Gene No.	84054	Strand	+
Start	1037	End	1843
Name	OJ000229_06.0323.C10.o2.ts	Method	TBLASTX:Soybean
Start	1684	End	1843
GI	none	Score	277
Exons	1684..1842, 1685..1843		

Seq. No.	40598	Seq. ID	OJ000229_06.0323.C12
Gene No.	84055	Strand	+
Start	759	End	2104
Name	OJ000229_06.0323.C12.o1.np	Method	AAT/NAP
Start	759	End	2104

GI	5922628	Score	111
Exons	759..857, 1933..2104		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40598	Seq. ID	OJ000229_06.0323.C12
Gene No.	84056	Strand	-
Start	3142	End	7067
Name	OJ000229_06.0323.C12.o2.np	Method	AAT/NAP
Start	3142	End	7010
GI	7340881	Score	254
Exons	3142..3274, 4496..4534, 4640..4754, 6132..6456, 6605..6788, 6924..7010		
GI Descrip.	(AP001551) hypothetical protein [Oryza sativa]		

Seq. No.	40598	Seq. ID	OJ000229_06.0323.C12
Gene No.	84056	Strand	-
Start	3142	End	7067
Name	OJ000229_06.0323.C12.o2.gs	Method	GENSCAN
Start	4742	End	7067
GI	none	Score	.59
Exons	4742..4782, 6213..6336, 6528..6593, 6654..7067		

Seq. No.	40598	Seq. ID	OJ000229_06.0323.C12
Gene No.	84057	Strand	-
Start	9033	End	9295
Name	OJ000229_06.0323.C12.o1.gp	Method	AAT/GAP
Start	9033	End	9295
GI	28898_2.R1084	Score	342
Exons	9033..9167, 9189..9295		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	40599	Seq. ID	OJ000229_06.0323.C13
Gene No.	84058	Strand	-
Start	181	End	1717
Name	OJ000229_06.0323.C13.o1.gp	Method	AAT/GAP
Start	181	End	712
GI	none	Score	810
Exons	181..511, 599..712		

Seq. No.	40599	Seq. ID	OJ000229_06.0323.C13
Gene No.	84058	Strand	-
Start	181	End	1717
Name	OJ000229_06.0323.C13.o1.gs	Method	GENSCAN
Start	383	End	1717
GI	none	Score	.63
Exons	383..511, 599..729, 1625..1717		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84059	Strand	+
Start	264	End	1056
Name	OJ000229_06.0323.C14.o1.gp	Method	AAT/GAP
Start	264	End	992
GI	none	Score	872
Exons	264..496, 629..771, 903..992		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84059	Strand	+
Start	264	End	1056
Name	OJ000229_06.0323.C14.o1.gs	Method	GENSCAN
Start	289	End	1056
GI	none	Score	.93
Exons	289..383, 388..496, 629..771, 903..1056		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84060	Strand	+
Start	4932	End	7249
Name	OJ000229_06.0323.C14.o2.gs	Method	GENSCAN
Start	4932	End	7249
GI	none	Score	.71
Exons	4932..5334, 7050..7249		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84061	Strand	+
Start	7604	End	10139
Name	OJ000229_06.0323.C14.o3.gp	Method	AAT/GAP
Start	7513	End	9770
GI	none	Score	525
Exons	7513..7732, 9562..9642, 9746..9770		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84061	Strand	+
Start	7604	End	10139
Name	OJ000229_06.0323.C14.o3.gs	Method	GENSCAN
Start	7604	End	9899
GI	none	Score	.7
Exons	7604..7732, 9562..9641, 9746..9899		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84061	Strand	+
Start	7604	End	10139
Name	OJ000229_06.0323.C14.o4.gp	Method	AAT/GAP
Start	9723	End	10139
GI	3061247	Score	749
Exons	9723..10139		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84062	Strand	+
Start	22132	End	23755
Name	OJ000229_06.0323.C14.o2.np	Method	AAT/NAP
Start	22132	End	23755
GI	6539588	Score	196
Exons	22132..22414, 23687..23755		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84063	Strand	-
Start	2281	End	2377
Name	OJ000229_06.0323.C14.o2.gp	Method	AAT/GAP
Start	2281	End	2377
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	2281..2377		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84064	Strand	-
Start	10762	End	12230
Name	OJ000229_06.0323.C14.o4.gs	Method	GENSCAN
Start	10762	End	12230
GI	none	Score	.74
Exons	10762..11058, 11182..11447, 11467..12032, 12040..12230		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84065	Strand	-
Start	20456	End	21348
Name	OJ000229_06.0323.C14.o1.np	Method	AAT/NAP
Start	20456	End	21348
GI	5852178	Score	497
Exons	20456..20551, 20914..21017, 21049..21348		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651
Name	OJ000229_06.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	11591	End	11836
GI	none	Score	156
Exons	11591..11725, 11596..11724, 11722..11757, 11723..11803, 11783..11836		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651
Name	OJ000229_06.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	11593	End	11836
GI	none	Score	310
Exons	11593..11835, 11594..11836		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651
Name	OJ000229_06.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	11605	End	11836
GI	none	Score	309
Exons	11605..11757, 11606..11836		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651
Name	OJ000229_06.0323.C14.o6.gs	Method	GENSCAN
Start	22176	End	26651
GI	none	Score	.46
Exons	22176..22370, 23308..23719, 25154..25297, 26365..26651		
Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651

Name	OJ000229_06.0323.C14.o3.np	Method	AAT/NAP
Start	23342	End	25272
GI	7484934	Score	281
Exons	23342..23735, 25143..25272		
GI Descrip.	DNA-binding protein homolog T9A21.10 - Arabidopsis thaliana gi|4038481|emb|CAA16788.1| (AL021713) DNA binding-like protein [Arabidopsis thaliana] gi|7268610|emb|CAB78819.1| (AL161548) DNA binding-like protein [Arabidopsis thaliana]		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651
Name	OJ000229_06.0323.C14.o3.ts	Method	TBLASTX:Soybean
Start	23590	End	23721
GI	none	Score	72
Exons	23590..23721, 23591..23674		

Seq. No.	40600	Seq. ID	OJ000229_06.0323.C14
Gene No.	84066	Strand	-
Start	22176	End	26651
Name	OJ000229_06.0323.C14.o2.ts	Method	TBLASTX:Soybean
Start	25138	End	25296
GI	none	Score	151
Exons	25138..25296, 25142..25279		

Seq. No.	40601	Seq. ID	OJ000229_06.0323.C15
Gene No.	84067	Strand	+
Start	4245	End	4514
Name	OJ000229_06.0323.C15.o2.gp	Method	AAT/GAP
Start	4245	End	4514
GI	none	Score	540
Exons	4245..4514		

Seq. No.	40601	Seq. ID	OJ000229_06.0323.C15
Gene No.	84068	Strand	-
Start	2605	End	7746
Name	OJ000229_06.0323.C15.o1.np	Method	AAT/NAP
Start	1735	End	3253
GI	5922623	Score	71
Exons	1735..1813, 3176..3253		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40601	Seq. ID	OJ000229_06.0323.C15
Gene No.	84068	Strand	-
Start	2605	End	7746
Name	OJ000229_06.0323.C15.o2.gs	Method	GENSCAN
Start	2605	End	7746
GI	none	Score	.7
Exons	2605..2815, 3859..4119, 4550..4672, 4983..5085, 7633..7746		

Seq. No.	40601	Seq. ID	OJ000229_06.0323.C15
Gene No.	84068	Strand	-
Start	2605	End	7746
Name	OJ000229_06.0323.C15.o3.gp	Method	AAT/GAP
Start	4582	End	5089

GI	LIB3433-039-P1-K1-C11	Score	679
Exons	4582..4695, 4716..4748, 4801..5089		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	40602	Seq. ID	OJ000229_06.0323.C17
Gene No.	84069	Strand	-
Start	113	End	173
Name	OJ000229_06.0323.C17.o1.gs	Method	GENSCAN
Start	113	End	173
GI	none	Score	.43
Exons	113..173		

Seq. No.	40603	Seq. ID	OJ000229_06.0323.C18
Gene No.	84070	Strand	-
Start	1	End	612
Name	OJ000229_06.0323.C18.o1.np	Method	AAT/NAP
Start	1	End	612
GI	6539588	Score	177
Exons	1..22, 338..612		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84071	Strand	+
Start	1	End	995
Name	OJ000229_06.0323.C21.o1.gp	Method	AAT/GAP
Start	1	End	995
GI	16535_1.R1084	Score	1351
Exons	1..596, 696..995		
GI Descrip.	'4914332/gb|AAD32880.1|AC005489_18 4.0e-67 (AC005489) F14N23.18 [Arabidopsis thaliana]'		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84071	Strand	+
Start	1	End	995
Name	OJ000229_06.0323.C21.o1.np	Method	AAT/NAP
Start	1	End	556
GI	4914332	Score	515
Exons	1..556		
GI Descrip.	(AC005489) F14N23.18 [Arabidopsis thaliana]		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84071	Strand	+
Start	1	End	995
Name	OJ000229_06.0323.C21.o1.gs	Method	GENSCAN
Start	86	End	559
GI	none	Score	.66
Exons	86..559		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84072	Strand	+
Start	2039	End	4114
Name	OJ000229_06.0323.C21.o1.tm	Method	TBLASTX:Maize
Start	1	End	561
GI	none	Score	563
Exons	1..210, 2..559, 2..376, 364..558, 446..559, 451..561		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84072	Strand	+
Start	2039	End	4114
Name	OJ000229_06.0323.C21.o1.tc	Method	TBLASTX:Cress
Start	2	End	394
GI	none	Score	208
Exons	2..199, 13..210, 23..250, 24..236, 46..243, 273..353, 361..393, 362..394		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84072	Strand	+
Start	2039	End	4114
Name	OJ000229_06.0323.C21.o1.ts	Method	TBLASTX:Soybean
Start	28	End	559
GI	none	Score	212
Exons	28..210, 38..199, 41..319, 42..254, 276..323, 361..555, 362..559		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84072	Strand	+
Start	2039	End	4114
Name	OJ000229_06.0323.C21.o1.tw	Method	TBLASTX:Wheat
Start	442	End	585
GI	none	Score	179
Exons	442..567, 443..568, 451..585		

Seq. No.	40604	Seq. ID	OJ000229_06.0323.C21
Gene No.	84072	Strand	+
Start	2039	End	4114
Name	OJ000229_06.0323.C21.o2.gs	Method	GENSCAN
Start	2039	End	4114
GI	none	Score	.65
Exons	2039..2173, 3783..3862, 3958..4114		

Seq. No.	40605	Seq. ID	OJ000229_06.0323.C22
Gene No.	84073	Strand	-
Start	970	End	1158
Name	OJ000229_06.0323.C22.o1.gp	Method	AAT/GAP
Start	970	End	1158
GI	none	Score	332
Exons	970..1158		

Seq. No.	40606	Seq. ID	OJ000229_06.0323.C24
Gene No.	84074	Strand	+
Start	427	End	743
Name	OJ000229_06.0323.C24.o1.tm	Method	TBLASTX:Maize
Start	78	End	717
GI	none	Score	86
Exons	78..143, 78..191, 79..195, 79..192, 83..208, 86..208, 245..349, 251..349, 271..393, 346..498, 361..498, 365..505, 365..505, 585..716, 594..716, 595..717		

Seq. No.	40606	Seq. ID	OJ000229_06.0323.C24
Gene No.	84074	Strand	+
Start	427	End	743
Name	OJ000229_06.0323.C24.o1.tc	Method	TBLASTX:Cress
Start	367	End	725
GI	none	Score	191

Exons	367..486, 368..505, 585..725, 595..717		
Seq. No.	40606	Seq. ID	OJ000229_06.0323.C24
Gene No.	84074	Strand	+
Start	427	End	743
Name	OJ000229_06.0323.C24.o1.np	Method	AAT/NAP
Start	427	End	743
GI	4588619	Score	86
Exons	427..502, 580..743		
GI Descrip.	(AF114160) adherin Nipped-B [Drosophila melanogaster]		
Seq. No.	40606	Seq. ID	OJ000229_06.0323.C24
Gene No.	84074	Strand	+
Start	427	End	743
Name	OJ000229_06.0323.C24.o1.gp	Method	AAT/GAP
Start	609	End	743
GI	2310390	Score	196
Exons	609..743		
Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84075	Strand	+
Start	1	End	2282
Name	OJ000229_01.0321.C1.o1.gp	Method	AAT/GAP
Start	1	End	2282
GI	342_1.R1084	Score	4138
Exons	1..2282		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84075	Strand	+
Start	1	End	2282
Name	OJ000229_01.0321.C1.o1.np	Method	AAT/NAP
Start	1	End	1020
GI	6742729	Score	1575
Exons	1..1020		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o1.tm	Method	TBLASTX:Maize
Start	163	End	543
GI	none	Score	42
Exons	163..213, 229..543, 240..515, 313..543		
Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o1.tw	Method	TBLASTX:Wheat
Start	186	End	1504
GI	none	Score	633
Exons	186..683, 187..687, 725..1075, 769..1074, 1100..1144, 1103..1144, 1151..1210, 1189..1314, 1190..1330, 1211..1321, 1343..1423, 1412..1504		
Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1

Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o1.tc	Method	TBLASTX:Cress
Start	470	End	922
GI	none	Score	241
Exons	470..652, 474..683, 478..687, 725..922, 769..918, 773..922		

Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o2.np	Method	AAT/NAP
Start	4052	End	6418
GI	4680204	Score	865
Exons	4052..5488, 5584..6176, 6390..6418		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o3.np	Method	AAT/NAP
Start	4052	End	6560
GI	4680204	Score	870
Exons	4052..5488, 5584..6100, 6470..6560		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o2.gs	Method	GENSCAN
Start	4067	End	5074
GI	none	Score	.91
Exons	4067..5074		

Seq. No.	40607	Seq. ID	OJ000229_01.0321.C1
Gene No.	84076	Strand	+
Start	4067	End	6560
Name	OJ000229_01.0321.C1.o2.tw	Method	TBLASTX:Wheat
Start	4695	End	5098
GI	none	Score	49
Exons	4695..4811, 4695..4805, 4697..4933, 4697..4846, 4798..4965, 4873..4941, 4928..5098, 5023..5097		

Seq. No.	40608	Seq. ID	OJ000229_01.0321.C2
Gene No.	84077	Strand	+
Start	225	End	908
Name	OJ000229_01.0321.C2.o1.gs	Method	GENSCAN
Start	225	End	908
GI	none	Score	.79
Exons	225..335, 420..492, 587..685, 765..908		

Seq. No.	40609	Seq. ID	OJ000229_01.0321.C3
Gene No.	84078	Strand	+
Start	724	End	1651
Name	OJ000229_01.0321.C3.o1.gs	Method	GENSCAN
Start	724	End	1651
GI	none	Score	.63
Exons	724..776, 1308..1407, 1625..1651		

Seq. No.	40609	Seq. ID	OJ000229_01.0321.C3
Gene No.	84079	Strand	-
Start	1	End	6738
Name	OJ000229_01.0321.C3.o1.np	Method	AAT/NAP
Start	1	End	6738
GI	6686206	Score	559
Exons	1..24, 1933..2117, 4565..4641, 5210..5298, 5402..5523, 5597..5651, 5732..5914, 6013..6099, 6178..6272, 6483..6738		
GI Descrip.	PROBABLE CATION-TRANSPORTING ATPASE C10C6.6 IN CHROMOSOME IV gi|7495826|pir||T19187 hypothetical protein C10C6.6 - Caenorhabditis elegans gi|3874214|emb|CAB05683.1| (Z83217) Similarity to Yeast E1-E2 ATPase YEL031W (SW:YED1_YEAST); cDNA EST EMBL:D27574 comes from this gene; cDNA EST EMBL:D33757 comes from this gene; cDNA EST EMBL:D34256 comes from this gene; cDNA E		

Seq. No.	40609	Seq. ID	OJ000229_01.0321.C3
Gene No.	84079	Strand	-
Start	1	End	6738
Name	OJ000229_01.0321.C3.o1.tm	Method	TBLASTX:Maize
Start	1901	End	4643
GI	none	Score	205
Exons	1901..2068, 1926..2078, 1933..2082, 1934..2068, 4532..4639, 4533..4640, 4533..4643		

Seq. No.	40609	Seq. ID	OJ000229_01.0321.C3
Gene No.	84079	Strand	-
Start	1	End	6738
Name	OJ000229_01.0321.C3.o2.gs	Method	GENSCAN
Start	2472	End	6041
GI	none	Score	.6
Exons	2472..2589, 2709..2840, 2963..3264, 3357..3851, 4533..4641, 5219..5298, 5402..5527, 5601..5651, 6013..6041		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84080	Strand	+
Start	70	End	2061
Name	OJ000229_01.0321.C4.o1.gs	Method	GENSCAN
Start	70	End	1891
GI	none	Score	.57
Exons	70..142, 818..1891		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84080	Strand	+
Start	70	End	2061
Name	OJ000229_01.0321.C4.o1.np	Method	AAT/NAP
Start	994	End	1873
GI	6320804	Score	520
Exons	994..1873		
GI Descrip.	P-type ATPase; Spf1p gi|731415|sp|P39986|ATC6_YEAST PROBABLE CATION-TRANSPORTING ATPASE 6 gi|1077608|pir||S50428 hypothetical protein YEL031w - yeast (Saccharomyces cerevisiae) gi|602398 (U18530) P-type ATPase; YEL031W [Saccharomyces cerevisiae]		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84080	Strand	+

Start	70	End	2061
Name	OJ000229_01.0321.C4.o1.gp	Method	AAT/GAP
Start	1652	End	2061
GI	LIB3433-026-P1-K1-E11	Score	793
Exons	1652..2061		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.ts	Method	TBLASTX:Soybean
Start	815	End	1892
GI	none	Score	71
Exons	815..925, 863..1882, 1078..1887, 1680..1892		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.tm	Method	TBLASTX:Maize
Start	970	End	1395
GI	none	Score	643
Exons	970..1395, 998..1393, 1122..1394		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.tc	Method	TBLASTX:Cress
Start	1055	End	1531
GI	none	Score	711
Exons	1055..1531, 1055..1498, 1069..1530		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o4.tm	Method	TBLASTX:Maize
Start	1396	End	1606
GI	none	Score	345
Exons	1396..1605, 1397..1606		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o3.tm	Method	TBLASTX:Maize
Start	1682	End	1898
GI	none	Score	352
Exons	1682..1894, 1682..1897, 1683..1898		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.gp	Method	AAT/GAP
Start	2857	End	4973
GI	253_2.R1084	Score	2683
Exons	2857..4084, 4832..4973		
GI Descrip.	'113622/sp|P17784|ALF_ORYSA 0.0e+00 FRUCTOSE-BISPHOSPHATE ALDOLASE, CYTOPLASMIC ISOZYME >gi_68197_pir__ADRZY		

fructose-bisphosphate aldolase (EC 4.1.2.13), cytosolic - rice
>gi_20204_emb_CAA37290_ (X53130) fructose-diphosphate aldolase
(AA 1-358) [Oryza sativa]'

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o1.tc	Method	TBLASTX:Cress
Start	2992	End	4097
GI	none	Score	221
Exons	2992..3267, 3021..3254, 3231..4088, 3253..3738, 3778..4089, 3978..4097		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o1.tm	Method	TBLASTX:Maize
Start	3027	End	4086
GI	none	Score	50
Exons	3027..3071, 3030..3071, 3031..3075, 3082..3150, 3090..3899, 3090..4085, 3091..4086		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.tw	Method	TBLASTX:Wheat
Start	3030	End	3219
GI	none	Score	169
Exons	3030..3212, 3030..3218, 3031..3219		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o1.ts	Method	TBLASTX:Soybean
Start	3036	End	4097
GI	none	Score	681
Exons	3036..4085, 3040..3738, 3644..3742, 3778..4086, 3978..4097, 3985..4086		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.gs	Method	GENSCAN
Start	3036	End	4859
GI	none	Score	.81
Exons	3036..4084, 4719..4760, 4832..4859		

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o2.np	Method	AAT/NAP
Start	3039	End	4859
GI	113622	Score	1780
Exons	3039..4084, 4832..4859		
GI Descrip.	FRUCTOSE-BISPHOSPHATE ALDOLASE, CYTOPLASMIC ISOZYME gi|68197|pir||ADRZY fructose-bisphosphate aldolase (EC 4.1.2.13), cytosolic - rice gi|20204|emb|CAA37290| (X53130)		

fructose-diphosphate aldolase (AA 1-358) [Oryza sativa]

Seq. No.	40610	Seq. ID	OJ000229_01.0321.C4
Gene No.	84081	Strand	-
Start	3036	End	4973
Name	OJ000229_01.0321.C4.o1.tw	Method	TBLASTX:Wheat
Start	3412	End	4865
GI	none	Score	715
Exons	3412..4086, 3414..4085, 3978..4097, 4037..4096, 4829..4861, 4833..4865		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84082	Strand	+
Start	577	End	10522
Name	OJ000229_01.0321.C5.o1.np	Method	AAT/NAP
Start	514	End	10522
GI	7228438	Score	3312
Exons	514..2495, 4054..4149, 4235..4648, 4729..5027, 5132..5393, 5486..5636, 10101..10522		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84082	Strand	+
Start	577	End	10522
Name	OJ000229_01.0321.C5.o1.gs	Method	GENSCAN
Start	577	End	8118
GI	none	Score	.53
Exons	577..630, 763..1065, 1189..1776, 2026..2432, 2483..3149, 3634..3707, 3783..4149, 4235..4457, 4530..4648, 4729..5027, 5132..5393, 5486..5593, 5640..5741, 6010..6252, 6959..7075, 7449..7608, 7701..7783, 7867..8118		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84082	Strand	+
Start	577	End	10522
Name	OJ000229_01.0321.C5.o1.gp	Method	AAT/GAP
Start	3822	End	6072
GI	LIB3433-020-P1-K1-A6	Score	766
Exons	3822..3864, 5686..6072		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84082	Strand	+
Start	577	End	10522
Name	OJ000229_01.0321.C5.o3.gs	Method	GENSCAN
Start	10057	End	10522
GI	none	Score	.44
Exons	10057..10122, 10202..10522		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84083	Strand	-
Start	8350	End	9125
Name	OJ000229_01.0321.C5.o1.tm	Method	TBLASTX:Maize
Start	1462	End	2058

GI	none	Score	353
Exons	1462..1929, 1467..1589, 1641..1940, 1987..2058		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84083	Strand	-
Start	8350	End	9125
Name	OJ000229_01.0321.C5.o1.tw	Method	TBLASTX:Wheat
Start	1756	End	2133
GI	none	Score	185
Exons	1756..1905, 1758..1910, 1759..1935, 1960..2133, 1968..2027, 1982..2122		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84083	Strand	-
Start	8350	End	9125
Name	OJ000229_01.0321.C5.o2.tw	Method	TBLASTX:Wheat
Start	3874	End	4056
GI	none	Score	92
Exons	3874..3927, 3888..3938, 3936..4055, 3937..4056		

Seq. No.	40611	Seq. ID	OJ000229_01.0321.C5
Gene No.	84083	Strand	-
Start	8350	End	9125
Name	OJ000229_01.0321.C5.o2.gs	Method	GENSCAN
Start	8350	End	9125
GI	none	Score	.5
Exons	8350..8431, 8855..8969, 9116..9125		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84084	Strand	+
Start	4441	End	8573
Name	OJ000229_01.0321.C6.o1.gp	Method	AAT/GAP
Start	4373	End	6684
GI	2535_1.R1084	Score	2142
Exons	4373..4750, 5749..5862, 5949..6106, 6215..6684		
GI Descrip.	'3892058/gb|AAC78271.1|AAC78271 7.0e-54 (AC002330) putative glutamate-/aspartate-binding peptide [Arabidopsis thaliana]'		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84084	Strand	+
Start	4441	End	8573
Name	OJ000229_01.0321.C6.o3.gs	Method	GENSCAN
Start	4441	End	8573
GI	none	Score	.85
Exons	4441..4750, 5749..5862, 6282..6416, 8329..8573		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84084	Strand	+
Start	4441	End	8573
Name	OJ000229_01.0321.C6.o2.np	Method	AAT/NAP
Start	4505	End	6418
GI	7486855	Score	506
Exons	4505..4750, 5749..5862, 5949..6088, 6197..6418		
GI Descrip.	hypothetical protein T10P11.3.1 - Arabidopsis thaliana gi|3892058|gb|AAC78271.1|AAC78271 (AC002330) putative glutamate-/aspartate-binding peptide [Arabidopsis thaliana] gi|7269754|emb|CAB77754.1| (AL161495) putative		

glutamate-/aspartate-binding peptide [Arabidopsis thaliana]

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84085	Strand	+
Start	23706	End	29757
Name	OJ000229_01.0321.C6.o7.gs	Method	GENSCAN
Start	23706	End	28397
GI	none	Score	.62
Exons	23706..23868, 24433..24485, 25189..25249, 25442..25683, 25934..26319, 26355..26726, 27438..27728, 28100..28397		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84085	Strand	+
Start	23706	End	29757
Name	OJ000229_01.0321.C6.o3.np	Method	AAT/NAP
Start	25877	End	29757
GI	6539553	Score	6256
Exons	25877..29757		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84086	Strand	-
Start	1	End	1093
Name	OJ000229_01.0321.C6.o1.np	Method	AAT/NAP
Start	1	End	1093
GI	6721547	Score	96
Exons	1..142, 1009..1093		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84087	Strand	-
Start	3310	End	3579
Name	OJ000229_01.0321.C6.o2.gs	Method	GENSCAN
Start	3310	End	3579
GI	none	Score	.44
Exons	3310..3579		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84088	Strand	-
Start	8747	End	11986
Name	OJ000229_01.0321.C6.o4.gs	Method	GENSCAN
Start	8747	End	11986
GI	none	Score	.48
Exons	8747..8770, 8880..9043, 9137..9225, 9672..9887, 10250..10326, 10921..10992, 11331..11416, 11734..11986		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84089	Strand	-
Start	15859	End	20246
Name	OJ000229_01.0321.C6.o5.gs	Method	GENSCAN
Start	15859	End	20246
GI	none	Score	.51
Exons	15859..15885, 17164..17381, 17580..17630, 17663..17811, 18619..18755, 19859..19984, 20139..20246		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84090	Strand	-
Start	20646	End	20957
Name	OJ000229_01.0321.C6.o6.gs	Method	GENSCAN
Start	20646	End	20957
GI	none	Score	.87
Exons	20646..20849, 20910..20957		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o3.tw	Method	TBLASTX:Wheat
Start	4462	End	5858
GI	none	Score	352
Exons	4462..4749, 4479..4754, 5732..5857, 5733..5858		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o1.ts	Method	TBLASTX:Soybean
Start	4506	End	6406
GI	none	Score	162
Exons	4506..4676, 4519..4767, 5751..5864, 5774..5863, 5944..6075, 5947..6066, 5948..6106, 5948..6106, 6206..6406, 6211..6384		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o1.tm	Method	TBLASTX:Maize
Start	5733	End	6409
GI	none	Score	126
Exons	5733..5864, 5741..5863, 5945..6106, 5947..6090, 6200..6409, 6287..6406		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o2.tc	Method	TBLASTX:Cress
Start	5742	End	6058
GI	none	Score	131
Exons	5742..5864, 5747..5863, 5945..6058, 5947..6057		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o7.tw	Method	TBLASTX:Wheat
Start	6260	End	6417
GI	none	Score	95
Exons	6260..6406, 6262..6324, 6262..6417, 6263..6406		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o4.tw	Method	TBLASTX:Wheat
Start	25871	End	26257
GI	none	Score	338

Exons 25871..26257, 25882..26256

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o3.tm	Method	TBLASTX:Maize
Start	26006	End	26319
GI	none	Score	360
Exons	26006..26317, 26024..26314, 26029..26319		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o2.tm	Method	TBLASTX:Maize
Start	26817	End	27139
GI	none	Score	249
Exons	26817..27068, 26824..27138, 26844..27137, 26948..27139		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o6.tw	Method	TBLASTX:Wheat
Start	27415	End	27609
GI	none	Score	62
Exons	27415..27609, 27417..27506, 27418..27609		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o5.tm	Method	TBLASTX:Maize
Start	27466	End	27960
GI	none	Score	225
Exons	27466..27774, 27555..27740, 27793..27960		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o3.ts	Method	TBLASTX:Soybean
Start	27562	End	27960
GI	none	Score	199
Exons	27562..27786, 27570..27740, 27577..27771, 27787..27960, 27795..27833		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o1.tw	Method	TBLASTX:Wheat
Start	27610	End	28358
GI	none	Score	486
Exons	27610..27972, 27618..27971, 27619..27978, 27970..28065, 27974..28054, 27974..28096, 27975..28058, 28116..28346, 28117..28347, 28155..28358, 28205..28357		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o2.ts	Method	TBLASTX:Soybean

Start	28357	End	28728
GI	5509260	Score	321
Exons	28357..28728, 28359..28583, 28650..28709		
GI Descrip.	-		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o1.tc	Method	TBLASTX:Cress
Start	28357	End	28617
GI	none	Score	264
Exons	28357..28617, 28359..28529		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o4.tm	Method	TBLASTX:Maize
Start	28398	End	28845
GI	none	Score	330
Exons	28398..28748, 28399..28845		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o5.tw	Method	TBLASTX:Wheat
Start	28399	End	28848
GI	none	Score	297
Exons	28399..28743, 28546..28719, 28738..28848		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o4.ts	Method	TBLASTX:Soybean
Start	28797	End	29140
GI	none	Score	73
Exons	28797..28838, 28798..28848, 28853..28996, 28854..29021, 29030..29140		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o6.tm	Method	TBLASTX:Maize
Start	28952	End	29289
GI	none	Score	194
Exons	28952..29014, 29024..29203, 29026..29205, 29205..29288, 29206..29289		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o2.tw	Method	TBLASTX:Wheat
Start	29146	End	29586
GI	none	Score	75
Exons	29146..29205, 29147..29203, 29235..29537, 29236..29547, 29236..29586		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6

Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o5.ts	Method	TBLASTX:Soybean
Start	29203	End	29493
GI	none	Score	72
Exons	29203..29265, 29232..29258, 29284..29493, 29284..29472		

Seq. No.	40612	Seq. ID	OJ000229_01.0321.C6
Gene No.	84091	Strand	-
Start	29482	End	29815
Name	OJ000229_01.0321.C6.o8.gs	Method	GENSCAN
Start	29482	End	29815
GI	none	Score	.41
Exons	29482..29590, 29680..29815		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.np	Method	AAT/NAP
Start	1	End	1871
GI	4680203	Score	1532
Exons	1..24, 607..1871		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.gp	Method	AAT/GAP
Start	160	End	746
GI	2310235	Score	305
Exons	160..197, 607..746		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.gs	Method	GENSCAN
Start	607	End	1716
GI	none	Score	.97
Exons	607..1716		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o2.gp	Method	AAT/GAP
Start	611	End	1871
GI	342_1.R1084	Score	1992
Exons	611..1871		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o2.tw	Method	TBLASTX:Wheat
Start	958	End	1311

GI	none	Score	103
Exons	958..1065, 1048..1233, 1049..1216, 1056..1232, 1057..1233, 1225..1296, 1230..1295, 1234..1311		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.ts	Method	TBLASTX:Soybean
Start	1224	End	1656
GI	none	Score	102
Exons	1224..1310, 1228..1302, 1303..1365, 1360..1656, 1414..1638		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.tc	Method	TBLASTX:Cress
Start	1389	End	1704
GI	none	Score	289
Exons	1389..1541, 1396..1704, 1581..1703		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.tm	Method	TBLASTX:Maize
Start	1477	End	1704
GI	none	Score	243
Exons	1477..1695, 1498..1704, 1578..1703		

Seq. No.	40613	Seq. ID	OJ000229_01.0321.C7
Gene No.	84092	Strand	+
Start	1	End	1871
Name	OJ000229_01.0321.C7.o1.tw	Method	TBLASTX:Wheat
Start	1524	End	1865
GI	none	Score	275
Exons	1524..1703, 1525..1704, 1525..1704, 1694..1837, 1697..1792, 1698..1865, 1704..1865		

Seq. No.	40614	Seq. ID	OJ000229_01.0321.C8
Gene No.	84093	Strand	-
Start	39	End	351
Name	OJ000229_01.0321.C8.o1.gs	Method	GENSCAN
Start	39	End	351
GI	none	Score	.65
Exons	39..351		

Seq. No.	40615	Seq. ID	OJ000229_01.0321.C10
Gene No.	84094	Strand	+
Start	339	End	431
Name	OJ000229_01.0321.C10.o1.gs	Method	GENSCAN
Start	339	End	431
GI	none	Score	.57
Exons	339..431		

Seq. No.	40616	Seq. ID	OJ000229_02.0323.C1
Gene No.	84095	Strand	-
Start	1	End	2827
Name	OJ000229_02.0323.C1.o1.np	Method	AAT/NAP

Start	1	End	1817
GI	7406447	Score	577
Exons	1..20, 256..321, 680..873, 1174..1274, 1354..1640, 1776..1817		
GI Descrip.	(AL162875) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	40616	Seq. ID	OJ000229_02.0323.C1
Gene No.	84095	Strand	-
Start	1	End	2827
Name	OJ000229_02.0323.C1.o1.gp	Method	AAT/GAP
Start	256	End	1610
GI	21085_2.R1084	Score	1207
Exons	256..378, 680..873, 1174..1274, 1360..1610		
GI Descrip.	'542190/pir||S42933 6.0e-67 hypothetical protein 1087 - maize >gi_459269_emb_CAA54960_ (X78029) transcribed sequence 1087 [Zea mays]'		

Seq. No.	40616	Seq. ID	OJ000229_02.0323.C1
Gene No.	84095	Strand	-
Start	1	End	2827
Name	OJ000229_02.0323.C1.o1.ts	Method	TBLASTX:Soybean
Start	258	End	1616
GI	none	Score	144
Exons	258..284, 278..322, 672..878, 679..879, 717..878, 756..902, 1188..1277, 1195..1233, 1218..1271, 1351..1599, 1354..1605, 1358..1612, 1369..1593, 1395..1616, 1505..1597		

Seq. No.	40616	Seq. ID	OJ000229_02.0323.C1
Gene No.	84095	Strand	-
Start	1	End	2827
Name	OJ000229_02.0323.C1.o1.gs	Method	GENSCAN
Start	260	End	2827
GI	none	Score	.89
Exons	260..378, 680..873, 1174..1274, 1360..1598, 2683..2827		

Seq. No.	40616	Seq. ID	OJ000229_02.0323.C1
Gene No.	84095	Strand	-
Start	1	End	2827
Name	OJ000229_02.0323.C1.o1.tm	Method	TBLASTX:Maize
Start	260	End	1612
GI	none	Score	42
Exons	260..292, 261..293, 263..385, 277..390, 289..354, 291..380, 639..878, 679..879, 679..882, 732..878, 1171..1275, 1172..1276, 1173..1283, 1218..1280, 1348..1599, 1351..1599, 1359..1601, 1359..1601, 1361..1612		

Seq. No.	40616	Seq. ID	OJ000229_02.0323.C1
Gene No.	84095	Strand	-
Start	1	End	2827
Name	OJ000229_02.0323.C1.o1.tc	Method	TBLASTX:Cress
Start	732	End	1612
GI	none	Score	137
Exons	732..878, 1369..1590, 1369..1611, 1370..1612		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84096	Strand	+
Start	4861	End	6951
Name	OJ000229_02.0323.C2.o2.np	Method	AAT/NAP

Start	4861	End	6951
GI	7523517	Score	199
Exons	4861..5159, 5304..5358, 6881..6951		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84097	Strand	-
Start	1328	End	5479
Name	OJ000229_02.0323.C2.o1.gp	Method	AAT/GAP
Start	988	End	1260
GI	none	Score	511
Exons	988..1260		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84097	Strand	-
Start	1328	End	5479
Name	OJ000229_02.0323.C2.o1.gs	Method	GENSCAN
Start	1328	End	5479
GI	none	Score	.82
Exons	1328..2095, 2177..2279, 2359..2405, 3676..3783, 3985..4036, 4836..4899, 4988..5016, 5436..5479		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84097	Strand	-
Start	1328	End	5479
Name	OJ000229_02.0323.C2.o1.np	Method	AAT/NAP
Start	1343	End	3706
GI	2190550	Score	1202
Exons	1343..2095, 2177..2279, 2359..2405, 3133..3179, 3676..3706		
GI Descrip.	(AC001229) ESTs gb|T45673,gb|N37512 come from this gene. [Arabidopsis thaliana]		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84097	Strand	-
Start	1328	End	5479
Name	OJ000229_02.0323.C2.o2.gp	Method	AAT/GAP
Start	1807	End	4112
GI	48996_1.R1084	Score	1228
Exons	1807..2095, 2177..2279, 2359..2405, 3133..3179, 3676..3783, 3985..4112		
GI Descrip.	'2190550 7.0e-73 (AC001229) ESTs gb_T45673,gb_N37512 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84098	Strand	-
Start	7201	End	10109
Name	OJ000229_02.0323.C2.o3.gp	Method	AAT/GAP
Start	6961	End	7466
GI	LIB3432-027-P1-K1-G11	Score	968
Exons	6961..7466		
GI Descrip.	'3258575 3.0e-17 (U89959) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84098	Strand	-
Start	7201	End	10109
Name	OJ000229_02.0323.C2.o2.gs	Method	GENSCAN

Start	7201	End	10103
GI	none	Score	.67
Exons	7201..7469, 8051..8240, 8977..9190, 9196..10103		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84098	Strand	-
Start	7201	End	10109
Name	OJ000229_02.0323.C2.o3.np	Method	AAT/NAP
Start	7210	End	10109
GI	3258575	Score	1518
Exons	7210..7469, 8051..8240, 8977..9135, 9203..10109		
GI Descrip.	(U89959) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84099	Strand	-
Start	10088	End	10451
Name	OJ000229_02.0323.C2.o4.gp	Method	AAT/GAP
Start	10088	End	10451
GI	none	Score	648
Exons	10088..10451		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o1.tm	Method	TBLASTX:Maize
Start	1147	End	3240
GI	none	Score	53
Exons	1147..1218, 1179..1217, 1326..1589, 1327..1380, 1329..1766, 1376..1765, 1492..1770, 1635..1766, 1750..1929, 1757..2098, 1758..2099, 1765..2103, 1766..2137, 1767..2099, 1990..2115, 2172..2279, 2174..2317, 2174..2281, 2294..2410, 2354..2407, 2358..2411, 3130..3180, 3202..3240		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o2.tc	Method	TBLASTX:Cress
Start	1350	End	1753
GI	none	Score	228
Exons	1350..1574, 1376..1540, 1589..1753, 1661..1750		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o1.ts	Method	TBLASTX:Soybean
Start	1540	End	3724
GI	none	Score	64
Exons	1540..1710, 1570..1941, 1586..2098, 1656..2096, 1661..2137, 2172..2282, 2174..2287, 2358..2408, 3130..3180, 3668..3724		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o1.tc	Method	TBLASTX:Cress
Start	1853	End	3706
GI	none	Score	256
Exons	1853..2098, 1854..2096, 2172..2282, 2174..2281, 2358..2408,		

2983..3027, 3130..3180, 3668..3706

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o3.tm	Method	TBLASTX:Maize
Start	7134	End	9945
GI	none	Score	38
Exons	7134..7211, 7196..7411, 7199..7249, 7249..7413, 7292..7447, 8027..8098, 8044..8241, 8057..8242, 8109..8243, 8974..9159, 8975..9157, 9388..9420, 9393..9419, 9477..9944, 9517..9945		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o2.tw	Method	TBLASTX:Wheat
Start	7214	End	7404
GI	none	Score	65
Exons	7214..7282, 7249..7404, 7313..7399		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o4.ts	Method	TBLASTX:Soybean
Start	7264	End	8243
GI	none	Score	137
Exons	7264..7413, 7265..7405, 7289..7468, 8045..8098, 8053..8241, 8109..8243		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o3.ts	Method	TBLASTX:Soybean
Start	8954	End	9184
GI	none	Score	171
Exons	8954..9184, 8959..9183		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o1.tw	Method	TBLASTX:Wheat
Start	9820	End	10122
GI	none	Score	221
Exons	9820..10122, 9820..9879, 9822..10112		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o2.ts	Method	TBLASTX:Soybean
Start	9831	End	10086
GI	none	Score	61
Exons	9831..9917, 9832..9912, 9915..10085, 9919..10086		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o3.tc	Method	TBLASTX:Cress

Start	9936	End	10110
GI	none	Score	153
Exons	9936..10109, 9940..10110		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o4.tm	Method	TBLASTX:Maize
Start	9946	End	10122
GI	none	Score	194
Exons	9946..10122, 9948..10112		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o5.gp	Method	AAT/GAP
Start	13422	End	13804
GI	none	Score	740
Exons	13422..13804		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o4.np	Method	AAT/NAP
Start	13665	End	14321
GI	7486810	Score	140
Exons	13665..13894, 13943..14059, 14261..14321		
GI Descrip.	hypothetical protein M7J2.10 - Arabidopsis thaliana gi|2980788|emb|CAA18164.1| (AL022197) putative protein [Arabidopsis thaliana] gi|7269412|emb|CAB81372.1| (AL161563) putative protein [Arabidopsis thaliana]		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o6.gp	Method	AAT/GAP
Start	13783	End	14318
GI	none	Score	1036
Exons	13783..14318		

Seq. No.	40617	Seq. ID	OJ000229_02.0323.C2
Gene No.	84100	Strand	-
Start	13422	End	14321
Name	OJ000229_02.0323.C2.o2.tm	Method	TBLASTX:Maize
Start	13794	End	14321
GI	none	Score	87
Exons	13794..13850, 13839..13925, 13840..13908, 13917..14318, 13917..14321, 13921..14319		

Seq. No.	40618	Seq. ID	OJ000229_02.0323.C3
Gene No.	84101	Strand	+
Start	1082	End	3382
Name	OJ000229_02.0323.C3.o1.gs	Method	GENSCAN
Start	1082	End	3382
GI	none	Score	.65
Exons	1082..1132, 1780..2050, 2239..2428, 3283..3382		

Seq. No.	40618	Seq. ID	OJ000229_02.0323.C3
Gene No.	84102	Strand	-
Start	4637	End	5892
Name	OJ000229_02.0323.C3.o1.gp	Method	AAT/GAP
Start	4315	End	5794
GI	none	Score	1269
Exons	4315..4738, 5529..5794		

Seq. No.	40618	Seq. ID	OJ000229_02.0323.C3
Gene No.	84102	Strand	-
Start	4637	End	5892
Name	OJ000229_02.0323.C3.o1.tm	Method	TBLASTX:Maize
Start	4628	End	5892
GI	none	Score	114
Exons	4628..4741, 4647..4739, 5514..5633, 5515..5619, 5616..5708, 5617..5709, 5791..5829, 5796..5888, 5815..5892		

Seq. No.	40618	Seq. ID	OJ000229_02.0323.C3
Gene No.	84102	Strand	-
Start	4637	End	5892
Name	OJ000229_02.0323.C3.o2.gs	Method	GENSCAN
Start	4637	End	5882
GI	none	Score	.8
Exons	4637..4738, 5529..5882		

Seq. No.	40619	Seq. ID	OJ000229_02.0323.C4
Gene No.	84103	Strand	+
Start	449	End	648
Name	OJ000229_02.0323.C4.o1.gp	Method	AAT/GAP
Start	449	End	648
GI	none	Score	312
Exons	449..648		

Seq. No.	40619	Seq. ID	OJ000229_02.0323.C4
Gene No.	84104	Strand	-
Start	633	End	787
Name	OJ000229_02.0323.C4.o2.gp	Method	AAT/GAP
Start	633	End	787
GI	10360_1.R1084	Score	281
Exons	633..787		
GI Descrip.	'1808686/emb|CAA71755| 4.0e-11 (Y10783) hypothetical protein [Sporobolus stapfianus]'		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84105	Strand	-
Start	1	End	2485
Name	OJ000229_02.0323.C5.o1.np	Method	AAT/NAP
Start	1	End	2485
GI	7450791	Score	770
Exons	1..75, 1193..1378, 1458..1535, 1663..1758, 2003..2311, 2438..2485		
GI Descrip.	fibrillarin - Arabidopsis thaliana gi|4914455|emb|CAB43694.1| (AL050400) fibrillarin-like protein [Arabidopsis thaliana] gi|7269413|emb|CAB81373.1| (AL161563) fibrillarin-like protein [Arabidopsis thaliana]		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5

Gene No.	84105	Strand	-
Start	1	End	2485
Name	OJ000229_02.0323.C5.o1.gs	Method	GENSCAN
Start	1018	End	2143
GI	none	Score	.91
Exons	1018..1053, 1202..1378, 1458..1535, 1663..1758, 2003..2143		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o2.ts	Method	TBLASTX:Soybean
Start	1191	End	2131
GI	none	Score	211
Exons	1191..1322, 1202..1390, 1203..1379, 1458..1532, 1459..1533, 1462..1533, 1663..1761, 1664..1759, 2003..2131, 2013..2093		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o2.tc	Method	TBLASTX:Cress
Start	1200	End	2113
GI	none	Score	220
Exons	1200..1367, 1202..1375, 1203..1376, 1449..1532, 1450..1533, 1663..1761, 1664..1759, 1665..1760, 2003..2113, 2013..2078		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o2.tm	Method	TBLASTX:Maize
Start	1202	End	2131
GI	none	Score	252
Exons	1202..1375, 1202..1375, 1252..1383, 1252..1380, 1456..1536, 1456..1533, 1458..1535, 1633..1761, 1662..1778, 1663..1761, 1664..1807, 2003..2128, 2003..2131		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o1.tc	Method	TBLASTX:Cress
Start	3903	End	6203
GI	none	Score	39
Exons	3903..3947, 3907..3936, 4030..4134, 4039..4134, 4047..4154, 4246..4323, 4317..4370, 4697..4993, 5285..5482, 5301..5483, 5589..5924, 5621..5923, 6000..6203		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o3.ts	Method	TBLASTX:Soybean
Start	4032	End	4994
GI	none	Score	163
Exons	4032..4139, 4243..4323, 4697..4993, 4698..4994		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o3.tm	Method	TBLASTX:Maize

Start	4047	End	5372
GI	none	Score	67
Exons	4047..4130, 4047..4133, 4048..4134, 4201..4323, 4247..4321, 4697..4993, 4698..4994, 5298..5372, 5300..5371		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o2.np	Method	AAT/NAP
Start	4153	End	6269
GI	7486770	Score	1369
Exons	4153..4361, 4699..4994, 5298..5923, 6003..6269		
GI Descrip.	hypothetical protein L73G19.20 - Arabidopsis thaliana gi|4914456|emb|CAB43695.1| (AL050400) putative protein [Arabidopsis thaliana] gi|7269414|emb|CAB81374.1| (AL161563) putative protein [Arabidopsis thaliana]		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o2.gs	Method	GENSCAN
Start	4625	End	4891
GI	none	Score	.56
Exons	4625..4891		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o3.gs	Method	GENSCAN
Start	5279	End	6449
GI	none	Score	.81
Exons	5279..5923, 6003..6449		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o4.ts	Method	TBLASTX:Soybean
Start	5372	End	5689
GI	none	Score	130
Exons	5372..5533, 5379..5519, 5610..5681, 5621..5689		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o1.ts	Method	TBLASTX:Soybean
Start	5690	End	6185
GI	none	Score	170
Exons	5690..5929, 5700..5924, 6000..6185, 6007..6183		

Seq. No.	40620	Seq. ID	OJ000229_02.0323.C5
Gene No.	84106	Strand	-
Start	4625	End	6449
Name	OJ000229_02.0323.C5.o1.tm	Method	TBLASTX:Maize
Start	5781	End	6323
GI	none	Score	151
Exons	5781..5921, 5783..5923, 5831..5923, 6000..6206, 6004..6207, 6285..6323		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84107	Strand	+
Start	1	End	195
Name	OJ000229_02.0323.C6.o1.np	Method	AAT/NAP
Start	1	End	195
GI	542190	Score	81
Exons	1..22, 109..195		
GI Descrip.	hypothetical protein 1087 - maize gi|459269|emb|CAA54960| (X78029) transcribed sequence 1087 [Zea mays]		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84108	Strand	+
Start	1838	End	3091
Name	OJ000229_02.0323.C6.o2.np	Method	AAT/NAP
Start	1838	End	2973
GI	6119531	Score	561
Exons	1838..2074, 2102..2301, 2860..2973		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84108	Strand	+
Start	1838	End	3091
Name	OJ000229_02.0323.C6.o2.gp	Method	AAT/GAP
Start	2093	End	3091
GI	86873_1.R1084	Score	804
Exons	2093..2293, 2867..3091		
GI Descrip.	'5091624/gb|AAD39612.1|AC007454_11 1.0e-23 (AC007454) Similar to gb_X92204 NAM gene product from Petunia hybrida. ESTs gb_H36656 and gb_AA651216 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84109	Strand	+
Start	6075	End	7226
Name	OJ000229_02.0323.C6.o3.gs	Method	GENSCAN
Start	6075	End	7226
GI	none	Score	.88
Exons	6075..6441, 6517..7226		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84109	Strand	+
Start	6075	End	7226
Name	OJ000229_02.0323.C6.o3.np	Method	AAT/NAP
Start	6078	End	7130
GI	7434312	Score	810
Exons	6078..6476, 6525..7130		
GI Descrip.	receptor-like protein kinase 5 homolog A_IG005I10.8 - Arabidopsis thaliana gi|2252830|gb|AAB62829.1| (AF013293) weak similarity to receptor protein kinase [Arabidopsis thaliana] gi|6049872|gb|AAF02787.1|AF195115_7 (AF195115) weak similarity to receptor protein kinase [Arabidopsis thaliana] gi|7267120|emb|CAB80791.1| (AL161471) weak similarity to receptor protein kinase, cod		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84110	Strand	+
Start	8814	End	9401

Name	OJ000229_02.0323.C6.o4.gs	Method	GENSCAN
Start	8814	End	9401
GI	none	Score	.97
Exons	8814..9401		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84111	Strand	+
Start	10336	End	14336
Name	OJ000229_02.0323.C6.o5.gs	Method	GENSCAN
Start	10336	End	14102
GI	none	Score	.4
Exons	10336..10358, 10888..10960, 11824..11871, 12483..12544, 13026..13183, 13285..13451, 13974..14102		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84111	Strand	+
Start	10336	End	14336
Name	OJ000229_02.0323.C6.o4.np	Method	AAT/NAP
Start	13036	End	14090
GI	7269839	Score	440
Exons	13036..13183, 13285..13451, 13974..14090		
GI Descrip.	(AL161574) putative protein [Arabidopsis thaliana]		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84111	Strand	+
Start	10336	End	14336
Name	OJ000229_02.0323.C6.o3.gp	Method	AAT/GAP
Start	13298	End	14336
GI	16969_2.R1084	Score	939
Exons	13298..13451, 13974..14336		
GI Descrip.	'3687251 1.0e-20 (AC005169) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84112	Strand	-
Start	183	End	520
Name	OJ000229_02.0323.C6.o1.gp	Method	AAT/GAP
Start	183	End	520
GI	51009_1.R1084	Score	649
Exons	183..520		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84113	Strand	-
Start	4244	End	5666
Name	OJ000229_02.0323.C6.o2.gs	Method	GENSCAN
Start	4244	End	5666
GI	none	Score	.49
Exons	4244..4495, 5026..5051, 5279..5666		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84114	Strand	-
Start	15915	End	19983
Name	OJ000229_02.0323.C6.o5.np	Method	AAT/NAP
Start	15906	End	18304
GI	6136818	Score	1666

Exons	15906..16442, 16562..18304		
GI Descrip.	(AB026500) ethylene receptor CS-ETR2 [Cucumis sativus]		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84114	Strand	-
Start	15915	End	19983
Name	OJ000229_02.0323.C6.o6.gs	Method	GENSCAN
Start	15915	End	19983
GI	none	Score	.7
Exons	15915..16442, 16562..17248, 17320..18342, 18854..19014, 19746..19983		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o3.tm	Method	TBLASTX:Maize
Start	1828	End	2308
GI	none	Score	251
Exons	1828..1908, 1871..2065, 1964..2065, 2110..2283, 2132..2308, 2141..2299		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o3.ts	Method	TBLASTX:Soybean
Start	1867	End	2283
GI	none	Score	211
Exons	1867..1905, 1871..2065, 2026..2064, 2107..2283, 2129..2278		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o3.tc	Method	TBLASTX:Cress
Start	1871	End	2283
GI	none	Score	209
Exons	1871..2065, 2107..2283, 2129..2278		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o3.tw	Method	TBLASTX:Wheat
Start	2024	End	2284
GI	none	Score	51
Exons	2024..2065, 2107..2265, 2132..2284, 2141..2278		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o6.tm	Method	TBLASTX:Maize
Start	2858	End	3058
GI	none	Score	189
Exons	2858..3043, 2864..3058		
Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o2.ts	Method	TBLASTX:Soybean

Start	6117	End	7106
GI	none	Score	143
Exons	6117..6269, 6161..6265, 6246..6440, 6299..6439, 6500..6694, 6516..6704, 6735..6965, 6755..6919, 7008..7106, 7013..7096		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o5.tm	Method	TBLASTX:Maize
Start	6138	End	7070
GI	none	Score	101
Exons	6138..6245, 6300..6482, 6549..6704, 6614..6688, 6702..6971, 6758..6919, 7014..7070		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o1.tc	Method	TBLASTX:Cress
Start	6344	End	7118
GI	none	Score	111
Exons	6344..6439, 6345..6482, 6524..6694, 6525..6701, 6615..6698, 6729..7118, 6758..7087		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o2.tw	Method	TBLASTX:Wheat
Start	6377	End	6818
GI	none	Score	88
Exons	6377..6439, 6378..6440, 6516..6743, 6548..6694, 6729..6818, 6755..6817		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o4.tm	Method	TBLASTX:Maize
Start	13029	End	14239
GI	none	Score	232
Exons	13029..13184, 13033..13185, 13268..13453, 13283..13453, 13290..13454, 13971..14087, 13972..14085, 13973..14098, 14124..14159, 14189..14239		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o4.ts	Method	TBLASTX:Soybean
Start	13029	End	14099
GI	none	Score	86
Exons	13029..13184, 13033..13185, 13035..13184, 13283..13324, 13290..13394, 13325..13453, 13326..13454, 13337..13465, 13971..14099, 13971..14087, 14012..14098		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o1.tw	Method	TBLASTX:Wheat
Start	13030	End	14092

GI	none	Score	171
Exons	13030..13134, 13034..13183, 13035..13184, 13036..13185, 13283..13453, 13289..13453, 13290..13454, 13971..14087, 13972..14091, 13973..14092, 14012..14092		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o4.tc	Method	TBLASTX:Cress
Start	13032	End	14087
GI	none	Score	220
Exons	13032..13184, 13033..13185, 13035..13187, 13283..13363, 13290..13370, 13329..13454, 13330..13452, 13331..13462, 13971..14087, 13971..14087		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o1.tm	Method	TBLASTX:Maize
Start	15915	End	17508
GI	none	Score	268
Exons	15915..16049, 16206..16247, 16299..16487, 16784..17260, 16794..17198, 17278..17346, 17279..17305, 17359..17508, 17378..17470		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o2.tc	Method	TBLASTX:Cress
Start	15927	End	18180
GI	none	Score	127
Exons	15927..16049, 16206..16247, 16365..16445, 16556..16627, 16811..17002, 16815..16991, 17010..17198, 17021..17260, 17132..17275, 17278..17397, 17431..17517, 17645..17776, 17650..18066, 17882..18064, 18082..18180, 18086..18178		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o1.ts	Method	TBLASTX:Soybean
Start	17018	End	18321
GI	none	Score	103
Exons	17018..17260, 17019..17198, 17278..17370, 17366..17470, 17371..17556, 17659..18066, 17660..17797, 17882..18064, 18082..18180, 18089..18178, 18301..18321		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o4.tw	Method	TBLASTX:Wheat
Start	17656	End	17820
GI	none	Score	109
Exons	17656..17820, 17662..17796		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025

Name	OJ000229_02.0323.C6.o2.tm	Method	TBLASTX:Maize
Start	17662	End	18183
GI	none	Score	299
Exons	17662..18096, 17663..18085, 18088..18183, 18089..18178		

Seq. No.	40621	Seq. ID	OJ000229_02.0323.C6
Gene No.	84115	Strand	-
Start	21930	End	22025
Name	OJ000229_02.0323.C6.o7.gs	Method	GENSCAN
Start	21930	End	22025
GI	none	Score	.88
Exons	21930..22025		

Seq. No.	40622	Seq. ID	OJ000229_02.0323.C8
Gene No.	84116	Strand	+
Start	1	End	654
Name	OJ000229_02.0323.C8.o1.gp	Method	AAT/GAP
Start	1	End	654
GI	none	Score	1284
Exons	1..654		

Seq. No.	40622	Seq. ID	OJ000229_02.0323.C8
Gene No.	84117	Strand	+
Start	777	End	1015
Name	OJ000229_02.0323.C8.o2.gp	Method	AAT/GAP
Start	777	End	1015
GI	4716538	Score	455
Exons	777..1015		

Seq. No.	40622	Seq. ID	OJ000229_02.0323.C8
Gene No.	84118	Strand	-
Start	75	End	235
Name	OJ000229_02.0323.C8.o1.gs	Method	GENSCAN
Start	75	End	235
GI	none	Score	.79
Exons	75..235		

Seq. No.	40622	Seq. ID	OJ000229_02.0323.C8
Gene No.	84119	Strand	-
Start	1089	End	1279
Name	OJ000229_02.0323.C8.o1.tm	Method	TBLASTX:Maize
Start	3	End	286
GI	none	Score	72
Exons	3..68, 5..58, 71..130, 74..130, 75..140, 75..137, 76..153, 144..284, 144..281, 146..286		

Seq. No.	40622	Seq. ID	OJ000229_02.0323.C8
Gene No.	84119	Strand	-
Start	1089	End	1279
Name	OJ000229_02.0323.C8.o3.gp	Method	AAT/GAP
Start	1089	End	1279
GI	none	Score	353
Exons	1089..1279		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095

Name	OJ000229_02.0323.C9.o1.np	Method	AAT/NAP
Start	1	End	2095
GI	6681327	Score	1304
Exons	1..158, 313..478, 720..887, 1375..2095		
GI Descrip.	(AC015985) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o2.tm	Method	TBLASTX:Maize
Start	45	End	890
GI	none	Score	70
Exons	45..164, 46..147, 69..173, 305..427, 307..480, 354..500, 705..890, 719..889		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o1.tc	Method	TBLASTX:Cress
Start	47	End	2095
GI	none	Score	78
Exons	47..160, 48..164, 93..161, 307..480, 308..427, 708..854, 719..853, 1365..1454, 1898..2095, 1898..1993, 1898..2032, 1898..2032, 1902..2030, 1904..2035, 1904..2032, 1905..2024, 1925..2095, 1930..2079, 1974..2093		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o1.gs	Method	GENSCAN
Start	48	End	1769
GI	none	Score	.75
Exons	48..158, 313..478, 720..887, 1375..1769		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o2.ts	Method	TBLASTX:Soybean
Start	48	End	800
GI	none	Score	85
Exons	48..164, 49..180, 307..477, 307..480, 308..481, 311..496, 312..500, 719..796, 719..799, 720..800		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o1.ts	Method	TBLASTX:Soybean
Start	801	End	1894
GI	none	Score	115
Exons	801..890, 806..889, 1371..1484, 1373..1561, 1374..1607, 1441..1614, 1620..1703, 1624..1704, 1749..1814, 1841..1894		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o3.tm	Method	TBLASTX:Maize

Start	1413	End	1626
GI	none	Score	163
Exons	1413..1625, 1441..1626		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o1.tm	Method	TBLASTX:Maize
Start	1629	End	1900
GI	none	Score	217
Exons	1629..1832, 1629..1844, 1630..1845, 1841..1891, 1841..1900		

Seq. No.	40623	Seq. ID	OJ000229_02.0323.C9
Gene No.	84120	Strand	-
Start	1	End	2095
Name	OJ000229_02.0323.C9.o3.ts	Method	TBLASTX:Soybean
Start	1895	End	2093
GI	none	Score	183
Exons	1895..2041, 1896..2042, 1896..2075, 1906..2073, 1959..2093		

Seq. No.	40624	Seq. ID	OJ000229_02.0323.C10
Gene No.	84121	Strand	-
Start	57	End	831
Name	OJ000229_02.0323.C10.o1.gs	Method	GENSCAN
Start	57	End	831
GI	none	Score	.99
Exons	57..350, 713..831		

Seq. No.	40625	Seq. ID	OJ000229_02.0323.C11
Gene No.	84122	Strand	-
Start	791	End	1036
Name	OJ000229_02.0323.C11.o1.gs	Method	GENSCAN
Start	791	End	1036
GI	none	Score	.65
Exons	791..1036		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84123	Strand	+
Start	12106	End	17042
Name	OJ000229_02.0323.C12.o3.np	Method	AAT/NAP
Start	12097	End	17016
GI	7406446	Score	884
Exons	12097..12216, 13094..13171, 13260..13379, 13488..13550, 14251..14316, 14444..14583, 14666..14792, 15253..15372, 15459..15542, 15977..16060, 16284..16607, 16690..16749, 16864..17016		
GI Descrip.	(AL162875) putative protein [Arabidopsis thaliana]		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84123	Strand	+
Start	12106	End	17042
Name	OJ000229_02.0323.C12.o3.gs	Method	GENSCAN
Start	12106	End	17042
GI	none	Score	.59
Exons	12106..12216, 12358..12588, 14444..14583, 14666..14792, 15253..15367, 16360..16577, 16864..17042		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84124	Strand	-
Start	1	End	2867
Name	OJ000229_02.0323.C12.o1.np	Method	AAT/NAP
Start	1	End	2867
GI	6456163	Score	332
Exons	1..20, 604..715, 807..965, 1832..1926, 2816..2867		
GI Descrip.	(AC011622) unknown protein [Arabidopsis thaliana]		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84124	Strand	-
Start	1	End	2867
Name	OJ000229_02.0323.C12.o1.gs	Method	GENSCAN
Start	604	End	1972
GI	none	Score	.75
Exons	604..715, 807..965, 1832..1972		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84125	Strand	-
Start	3217	End	9501
Name	OJ000229_02.0323.C12.o2.gs	Method	GENSCAN
Start	3217	End	9501
GI	none	Score	.85
Exons	3217..4707, 5005..5145, 5561..5924, 6844..7003, 8358..8681, 9019..9078, 9438..9501		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84125	Strand	-
Start	3217	End	9501
Name	OJ000229_02.0323.C12.o2.np	Method	AAT/NAP
Start	3262	End	8641
GI	7488259	Score	923
Exons	3262..4707, 5005..5148, 5642..5910, 6836..6965, 7143..7264, 8358..8641		
GI Descrip.	protein kinase homolog F4I18.11 - Arabidopsis thaliana gi|3386604|gb|AAC28534.1| (AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o2.tm	Method	TBLASTX:Maize
Start	605	End	1894
GI	none	Score	71
Exons	605..715, 606..716, 606..716, 607..717, 811..966, 816..965, 826..966, 1826..1894, 1845..1886		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o3.ts	Method	TBLASTX:Soybean
Start	668	End	1894
GI	none	Score	134
Exons	668..715, 787..966, 804..965, 826..975, 908..988, 1826..1894		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-

Start	16966	End	17045
Name	OJ000229_02.0323.C12.o2.tc	Method	TBLASTX:Cress
Start	3238	End	3468
GI	none	Score	104
Exons	3238..3468, 3305..3457		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o2.ts	Method	TBLASTX:Soybean
Start	3277	End	4071
GI	none	Score	106
Exons	3277..3468, 3308..3466, 3622..3696, 3709..3864, 3898..3930, 3952..4071		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o3.tm	Method	TBLASTX:Maize
Start	3418	End	4218
GI	none	Score	63
Exons	3418..3468, 3616..3702, 3724..3855, 3725..3850, 3952..4071, 3953..4066, 4090..4218, 4103..4210		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o3.tc	Method	TBLASTX:Cress
Start	3751	End	4317
GI	none	Score	67
Exons	3751..3861, 3758..3859, 3946..4071, 4144..4317		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o1.tw	Method	TBLASTX:Wheat
Start	3943	End	4183
GI	none	Score	67
Exons	3943..4089, 4066..4182, 4103..4183		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o1.ts	Method	TBLASTX:Soybean
Start	13091	End	17019
GI	none	Score	96
Exons	13091..13174, 14348..14389, 14444..14575, 14444..14575, 14446..14577, 14450..14566, 14501..14578, 14675..14791, 14676..14795, 15252..15389, 15253..15399, 15465..15542, 15974..16075, 16681..16752, 16933..17019		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o1.tm	Method	TBLASTX:Maize
Start	14281	End	17045
GI	none	Score	62

Exons	14281..14325, 14283..14324, 14447..14581, 14448..14588, 14448..14540, 14449..14589, 14465..14578, 14661..14795, 14666..14791, 14667..14792, 15243..15341, 15253..15390, 15254..15367, 15255..15368, 15464..15541, 15465..15542, 15465..15542, 15974..16075, 15976..16086, 16281..16394, 16281..16340, 16283..16396, 16391..16468, 16392..16607, 16395..16610, 16396..16608, 16402..16611, 16529..16612, 16665..16742, 16681..16749, 16686..16748, 16847..17044, 16858..17043, 16863..17045		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o1.tc	Method	TBLASTX:Cress
Start	14444	End	14795
GI	none	Score	172
Exons	14444..14575, 14450..14566, 14450..14566, 14675..14791, 14676..14795		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o2.tw	Method	TBLASTX:Wheat
Start	14447	End	15366
GI	none	Score	108
Exons	14447..14566, 14450..14581, 14450..14554, 14672..14791, 14673..14795, 15253..15366, 15253..15348		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o4.tc	Method	TBLASTX:Cress
Start	15252	End	16077
GI	none	Score	172
Exons	15252..15368, 15253..15399, 15459..15542, 15476..15541, 15974..16075, 15976..16077		

Seq. No.	40626	Seq. ID	OJ000229_02.0323.C12
Gene No.	84126	Strand	-
Start	16966	End	17045
Name	OJ000229_02.0323.C12.o1.gp	Method	AAT/GAP
Start	16966	End	17043
GI	none	Score	120
Exons	16966..17043		

Seq. No.	40627	Seq. ID	OJ000229_02.0323.C13
Gene No.	84127	Strand	+
Start	1671	End	1813
Name	OJ000229_02.0323.C13.o1.gp	Method	AAT/GAP
Start	1671	End	1813
GI	13884_1.R1084	Score	206
Exons	1671..1813		
GI Descrip.	'133028/sp|P25864|RK9_ARATH 8.0e-52 50S RIBOSOMAL PROTEIN L9, CHLOROPLAST PRECURSOR (CL9) >gi_71257_pir__R5MUL9 ribosomal protein L9 precursor, chloroplast - Arabidopsis thaliana >gi_16499_emb_CAA77480_ (Z11129) plastid ribosomal protein CL9 [Arabidopsis thaliana] >gi_16501_emb_CAA77594_ (Z11509)		

Chloroplast ribosomal protein CL9 [Arabidopsis thaliana]'

Seq. No.	40627	Seq. ID	OJ000229_02.0323.C13
Gene No.	84128	Strand	-
Start	49	End	355
Name	OJ000229_02.0323.C13.o1.gs	Method	GENSCAN
Start	49	End	355
GI	none	Score	.42
Exons	49..355		

Seq. No.	40628	Seq. ID	OJ000229_02.0323.C14
Gene No.	84129	Strand	+
Start	260	End	712
Name	OJ000229_02.0323.C14.o1.gs	Method	GENSCAN
Start	260	End	712
GI	none	Score	.44
Exons	260..329, 531..712		

Seq. No.	40628	Seq. ID	OJ000229_02.0323.C14
Gene No.	84129	Strand	+
Start	260	End	712
Name	OJ000229_02.0323.C14.o1.np	Method	AAT/NAP
Start	260	End	709
GI	133028	Score	258
Exons	260..357, 442..489, 592..709		
GI Descrip.	50S RIBOSOMAL PROTEIN L9, CHLOROPLAST PRECURSOR (CL9) gi|71257|pir||R5MUL9 ribosomal protein L9 precursor, chloroplast - Arabidopsis thaliana gi|16499|emb|CAA77480| (Z11129) plastid ribosomal protein CL9 [Arabidopsis thaliana] gi|16501|emb|CAA77594| (Z11509) Chloroplast ribosomal protein CL9 [Arabidopsis thaliana]		

Seq. No.	40628	Seq. ID	OJ000229_02.0323.C14
Gene No.	84130	Strand	+
Start	639	End	1249
Name	OJ000229_02.0323.C14.o1.ts	Method	TBLASTX:Soybean
Start	246	End	493
GI	none	Score	144
Exons	246..344, 259..357, 260..355, 431..490, 439..483, 443..493		

Seq. No.	40628	Seq. ID	OJ000229_02.0323.C14
Gene No.	84130	Strand	+
Start	639	End	1249
Name	OJ000229_02.0323.C14.o1.tc	Method	TBLASTX:Cress
Start	254	End	723
GI	none	Score	136
Exons	254..352, 259..354, 260..355, 428..490, 442..483, 590..712, 592..723		

Seq. No.	40628	Seq. ID	OJ000229_02.0323.C14
Gene No.	84130	Strand	+
Start	639	End	1249
Name	OJ000229_02.0323.C14.o1.tm	Method	TBLASTX:Maize
Start	254	End	724
GI	none	Score	155
Exons	254..355, 259..372, 260..355, 431..490, 439..513, 444..494, 445..513, 588..713, 589..714, 590..724		

Seq. No.	40628	Seq. ID	OJ000229_02.0323.C14
Gene No.	84130	Strand	+
Start	639	End	1249
Name	OJ000229_02.0323.C14.o1.gp	Method	AAT/GAP
Start	639	End	1249
GI	none	Score	920
Exons	639..778, 895..1249		

Seq. No.	40629	Seq. ID	OJ000229_02.0323.C16
Gene No.	84131	Strand	-
Start	2005	End	2340
Name	OJ000229_02.0323.C16.o1.np	Method	AAT/NAP
Start	1980	End	2340
GI	6175162	Score	255
Exons	1980..2340		
GI Descrip.	(AC011437) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40629	Seq. ID	OJ000229_02.0323.C16
Gene No.	84131	Strand	-
Start	2005	End	2340
Name	OJ000229_02.0323.C16.o1.gs	Method	GENSCAN
Start	2005	End	2289
GI	none	Score	.96
Exons	2005..2289		

Seq. No.	40630	Seq. ID	OJ000229_02.0323.C17
Gene No.	84132	Strand	+
Start	102	End	266
Name	OJ000229_02.0323.C17.o1.gs	Method	GENSCAN
Start	102	End	266
GI	none	Score	.44
Exons	102..266		

Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84133	Strand	+
Start	3101	End	6498
Name	OJ000229_02.0323.C20.o2.gp	Method	AAT/GAP
Start	3101	End	6416
GI	none	Score	994
Exons	3101..3339, 3480..3530, 5204..5351, 6214..6270, 6357..6416		

Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84133	Strand	+
Start	3101	End	6498
Name	OJ000229_02.0323.C20.o2.np	Method	AAT/NAP
Start	5190	End	6498
GI	6735329	Score	255
Exons	5190..5351, 6214..6270, 6357..6498		
GI Descrip.	(AL137081) putative protein [Arabidopsis thaliana]		

Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84134	Strand	-
Start	1	End	3362
Name	OJ000229_02.0323.C20.o1.np	Method	AAT/NAP
Start	1	End	2870
GI	6175161	Score	697

Exons	1..258, 406..791, 933..1022, 1116..1403, 2627..2870		
GI Descrip.	(AC011437) unknown protein [Arabidopsis thaliana]		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84134	Strand	-
Start	1	End	3362
Name	OJ000229_02.0323.C20.o1.gp	Method	AAT/GAP
Start	101	End	490
GI	3768195	Score	353
Exons	101..258, 406..490		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84134	Strand	-
Start	1	End	3362
Name	OJ000229_02.0323.C20.o1.gs	Method	GENSCAN
Start	110	End	3362
GI	none	Score	.66
Exons	110..258, 406..791, 933..1022, 1116..1399, 2657..2918, 3015..3259, 3290..3362		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84134	Strand	-
Start	1	End	3362
Name	OJ000229_02.0323.C20.o3.tm	Method	TBLASTX:Maize
Start	160	End	686
GI	none	Score	59
Exons	160..195, 225..257, 226..258, 405..494, 405..551, 406..669, 418..552, 477..686		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84134	Strand	-
Start	1	End	3362
Name	OJ000229_02.0323.C20.o1.tm	Method	TBLASTX:Maize
Start	760	End	1399
GI	none	Score	55
Exons	760..807, 770..808, 927..1025, 933..1019, 934..1023, 935..1039, 935..1072, 1113..1397, 1117..1398, 1118..1399		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84134	Strand	-
Start	1	End	3362
Name	OJ000229_02.0323.C20.o1.ts	Method	TBLASTX:Soybean
Start	1140	End	1401
GI	none	Score	115
Exons	1140..1397, 1140..1400, 1141..1401		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84135	Strand	
Start	5196	End	6419
Name	OJ000229_02.0323.C20.o1.tw	Method	TBLASTX:Wheat
Start	5196	End	6271
GI	none	Score	218
Exons	5196..5357, 5196..5354, 5206..5355, 6211..6270, 6216..6269, 6220..6270, 6221..6271		
Seq. No.	40631	Seq. ID	OJ000229_02.0323.C20
Gene No.	84135	Strand	

Start	5196	End	6419
Name	OJ000229_02.0323.C20.o2.tm	Method	TBLASTX:Maize
Start	5196	End	6419
GI	none	Score	235
Exons	5196..5357, 5206..5349, 6211..6300, 6213..6272, 6214..6273, 6351..6419, 6356..6418		

Seq. No.	40632	Seq. ID	OJ000229_02.0323.C21
Gene No.	84136	Strand	-
Start	1	End	331
Name	OJ000229_02.0323.C21.o1.gp	Method	AAT/GAP
Start	1	End	331
GI	none	Score	630
Exons	1..331		

Seq. No.	40632	Seq. ID	OJ000229_02.0323.C21
Gene No.	84137	Strand	-
Start	612	End	980
Name	OJ000229_02.0323.C21.o1.gs	Method	GENSCAN
Start	612	End	980
GI	none	Score	.74
Exons	612..980		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84138	Strand	+
Start	14033	End	14377
Name	OJ991211_50.0403.C1.o4.gs	Method	GENSCAN
Start	14033	End	14377
GI	none	Score	.95
Exons	14033..14377		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84139	Strand	-
Start	604	End	3913
Name	OJ991211_50.0403.C1.o1.gs	Method	GENSCAN
Start	604	End	3913
GI	none	Score	.96
Exons	604..912, 949..3913		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84140	Strand	-
Start	6186	End	7010
Name	OJ991211_50.0403.C1.o2.gs	Method	GENSCAN
Start	6186	End	6914
GI	none	Score	.5
Exons	6186..6914		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84140	Strand	-
Start	6186	End	7010
Name	OJ991211_50.0403.C1.o1.np	Method	AAT/NAP
Start	6524	End	7010
GI	7263561	Score	279
Exons	6524..7010		
GI Descrip.	(AL161667) MYB transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84141	Strand	-
Start	7613	End	10031
Name	OJ991211_50.0403.C1.o3.gs	Method	GENSCAN
Start	7613	End	10031
GI	none	Score	1
Exons	7613..8077, 8168..8474, 8561..8742, 8776..8976, 9629..9833, 9946..10031		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84141	Strand	-
Start	7613	End	10031
Name	OJ991211_50.0403.C1.o2.np	Method	AAT/NAP
Start	7616	End	10031
GI	2494174	Score	2001
Exons	7616..8077, 8168..8474, 8561..8976, 9629..9833, 9946..10031		
GI Descrip.	GLUTAMATE DECARBOXYLASE 1 (GAD 1) gi|497979 (U10034) glutamate decarboxylase [Arabidopsis thaliana]		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o4.tw	Method	TBLASTX:Wheat
Start	15	End	261
GI	none	Score	79
Exons	15..134, 37..132, 135..260, 136..261		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o3.tm	Method	TBLASTX:Maize
Start	1429	End	1658
GI	none	Score	88
Exons	1429..1581, 1433..1648, 1433..1648, 1491..1658		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o2.ts	Method	TBLASTX:Soybean
Start	6513	End	6840
GI	none	Score	106
Exons	6513..6674, 6525..6647, 6538..6690, 6655..6840, 6684..6830		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o2.tm	Method	TBLASTX:Maize
Start	6516	End	6830
GI	none	Score	63
Exons	6516..6674, 6522..6635, 6535..6675, 6687..6830, 6722..6748		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o2.tc	Method	TBLASTX:Cress
Start	6534	End	6830
GI	none	Score	80

Exons	6534..6671, 6552..6659, 6553..6660, 6687..6830		
Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o1.tc	Method	TBLASTX:Cress
Start	7631	End	10032
GI	none	Score	42
Exons	7631..7699, 7635..7697, 7757..8095, 7758..8096, 8168..8473, 8169..8474, 8395..8502, 8555..8977, 8560..8982, 9629..9835, 9633..9827, 9942..10031, 9946..10032		
Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o1.ts	Method	TBLASTX:Soybean
Start	7631	End	10007
GI	none	Score	277
Exons	7631..7696, 7757..8095, 7758..8099, 8168..8473, 8169..8471, 8273..8473, 8555..8977, 8560..8982, 9629..9835, 9630..9827, 9942..10007		
Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o1.tm	Method	TBLASTX:Maize
Start	7757	End	10020
GI	none	Score	288
Exons	7757..8083, 7757..8095, 7785..8096, 8163..8474, 8168..8473, 8270..8479, 8386..8475, 8558..8611, 8560..8982, 8630..8977, 9629..9835, 9630..9833, 9942..10007, 9943..10020		
Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o3.tw	Method	TBLASTX:Wheat
Start	7851	End	8222
GI	none	Score	224
Exons	7851..8096, 7853..8104, 7853..8095, 8163..8222, 8163..8213, 8168..8221, 8172..8219		
Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o1.tw	Method	TBLASTX:Wheat
Start	8223	End	8665
GI	none	Score	332
Exons	8223..8474, 8225..8473, 8351..8476, 8358..8477, 8383..8502, 8555..8665, 8558..8611, 8560..8664		
Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o2.tw	Method	TBLASTX:Wheat
Start	9630	End	10034
GI	none	Score	279
Exons	9630..9836, 9630..9833, 9942..10016, 9946..10002, 10014..10034		

Seq. No.	40633	Seq. ID	OJ991211_50.0403.C1
Gene No.	84142	Strand	-
Start	16368	End	16447
Name	OJ991211_50.0403.C1.o5.gs	Method	GENSCAN
Start	16368	End	16447
GI	none	Score	.59
Exons	16368..16447		

Seq. No.	40634	Seq. ID	OJ991211_50.0403.C2
Gene No.	84143	Strand	+
Start	797	End	1863
Name	OJ991211_50.0403.C2.o1.gs	Method	GENSCAN
Start	797	End	1863
GI	none	Score	.66
Exons	797..866, 974..1082, 1302..1542, 1664..1863		

Seq. No.	40634	Seq. ID	OJ991211_50.0403.C2
Gene No.	84144	Strand	-
Start	1	End	2041
Name	OJ991211_50.0403.C2.o2.np	Method	AAT/NAP
Start	1	End	1949
GI	7488074	Score	90
Exons	1..29, 1484..1611, 1720..1949		
GI Descrip.	probable cellulase (EC 3.2.1.4) F2P3.1 - Arabidopsis thaliana gi|3600052|gb|AAC35539.1| (AF080120) contains similarity to glycosyl hydrolases family 9 (Pfam: glycosyl_hydro5.hmm, score: 88.03) [Arabidopsis thaliana] gi|4850284|emb|CAB43040.1| (AL049876) putative glucanase [Arabidopsis thaliana] gi|7267803|emb|CAB81206.1| (AL161518) putative glucanase [Arabidopsis thaliana]		

Seq. No.	40634	Seq. ID	OJ991211_50.0403.C2
Gene No.	84144	Strand	-
Start	1	End	2041
Name	OJ991211_50.0403.C2.o1.np	Method	AAT/NAP
Start	988	End	2041
GI	7339707	Score	67
Exons	988..1123, 1198..1344, 1803..2041		
GI Descrip.	(AP001539) hypothetical protein [Oryza sativa]		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84145	Strand	+
Start	2	End	6154
Name	OJ991211_50.0403.C3.o1.gs	Method	GENSCAN
Start	2	End	6087
GI	none	Score	.45
Exons	2..60, 687..823, 3193..3410, 3783..4086, 4132..4339, 5265..6087		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84145	Strand	+
Start	2	End	6154
Name	OJ991211_50.0403.C3.o1.gp	Method	AAT/GAP
Start	716	End	6154
GI	934_1.R1084	Score	3747
Exons	716..823, 2160..2255, 2882..2978, 3193..3410, 3783..4339, 5265..6154		

GI Descrip. '4102839 1.0e-173 (AF016713) LeOPT1 [Lycopersicon esculentum]'

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84145	Strand	+
Start	2	End	6154
Name	OJ991211_50.0403.C3.o1.np	Method	AAT/NAP
Start	2196	End	6084
GI	6409176	Score	2892
Exons	2196..2255, 2882..2978, 3193..3410, 3783..4339, 5265..6084		
GI Descrip.	(AF140606) nitrate transporter [Oryza sativa]		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84146	Strand	+
Start	7562	End	7718
Name	OJ991211_50.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	2888	End	6066
GI	none	Score	78
Exons	2888..2977, 3183..3374, 3873..4340, 5305..6066, 5328..5402, 5451..5507, 5583..5993		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84146	Strand	+
Start	7562	End	7718
Name	OJ991211_50.0403.C3.o1.tc	Method	TBLASTX:Cress
Start	2891	End	6084
GI	none	Score	79
Exons	2891..2980, 3183..3374, 3870..4328, 3872..4120, 3948..4325, 4166..4342, 5263..6084, 5268..5501, 5577..6083		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84146	Strand	+
Start	7562	End	7718
Name	OJ991211_50.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	3869	End	6089
GI	none	Score	144
Exons	3869..3955, 3885..4025, 3990..4058, 4056..4328, 4062..4340, 4166..4342, 5260..6084, 5262..5504, 5577..6086, 5892..6089		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84146	Strand	+
Start	7562	End	7718
Name	OJ991211_50.0403.C3.o1.tw	Method	TBLASTX:Wheat
Start	5746	End	6084
GI	none	Score	303
Exons	5746..6084, 5754..6077		

Seq. No.	40635	Seq. ID	OJ991211_50.0403.C3
Gene No.	84146	Strand	+
Start	7562	End	7718
Name	OJ991211_50.0403.C3.o2.gp	Method	AAT/GAP
Start	7562	End	7718
GI	2800454	Score	253
Exons	7562..7718		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526

Name	OJ991211_50.0403.C4.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	3777527	Score	1173
Exons	1..963, 1048..1526		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	122	End	569
GI	none	Score	342
Exons	122..568, 132..569		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	231	End	800
GI	5509260	Score	413
Exons	231..800, 233..760		
GI Descrip.	-		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o1.tw	Method	TBLASTX:Wheat
Start	248	End	715
GI	none	Score	151
Exons	248..592, 249..416, 331..417, 447..584, 626..715, 632..709		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o1.gs	Method	GENSCAN
Start	264	End	1411
GI	none	Score	.55
Exons	264..1411		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	350	End	616
GI	none	Score	117
Exons	350..616, 351..611		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o2.tm	Method	TBLASTX:Maize
Start	1073	End	1526
GI	none	Score	243
Exons	1073..1225, 1207..1308, 1220..1525, 1221..1526		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-

Start	1	End	1526
Name	OJ991211_50.0403.C4.o2.ts	Method	TBLASTX:Soybean
Start	1073	End	1523
GI	none	Score	52
Exons	1073..1201, 1092..1211, 1223..1516, 1230..1523		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o2.tc	Method	TBLASTX:Cress
Start	1074	End	1516
GI	none	Score	36
Exons	1074..1211, 1079..1210, 1226..1516, 1295..1492		

Seq. No.	40636	Seq. ID	OJ991211_50.0403.C4
Gene No.	84147	Strand	-
Start	1	End	1526
Name	OJ991211_50.0403.C4.o2.tw	Method	TBLASTX:Wheat
Start	1316	End	1475
GI	none	Score	94
Exons	1316..1474, 1322..1465, 1323..1475		

Seq. No.	40637	Seq. ID	OJ991211_50.0403.C5
Gene No.	84148	Strand	+
Start	111	End	551
Name	OJ991211_50.0403.C5.o1.gs	Method	GENSCAN
Start	111	End	551
GI	none	Score	.53
Exons	111..392, 465..551		

Seq. No.	40638	Seq. ID	OJ991211_50.0403.C6
Gene No.	84149	Strand	+
Start	1	End	1178
Name	OJ991211_50.0403.C6.o1.np	Method	AAT/NAP
Start	1	End	1178
GI	4680186	Score	64
Exons	1..24, 501..561, 1091..1178		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40638	Seq. ID	OJ991211_50.0403.C6
Gene No.	84150	Strand	-
Start	550	End	623
Name	OJ991211_50.0403.C6.o1.gs	Method	GENSCAN
Start	550	End	623
GI	none	Score	1
Exons	550..623		

Seq. No.	40639	Seq. ID	OJ991211_50.0403.C7
Gene No.	84151	Strand	+
Start	389	End	1559
Name	OJ991211_50.0403.C7.o1.np	Method	AAT/NAP
Start	389	End	1559
GI	6907086	Score	1001
Exons	389..1151, 1212..1559		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40639	Seq. ID	OJ991211_50.0403.C7

Gene No.	84151	Strand	+
Start	389	End	1559
Name	OJ991211_50.0403.C7.o1.gs	Method	GENSCAN
Start	677	End	1123
GI	none	Score	.99
Exons	677..1123		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84152	Strand	+
Start	853	End	5466
Name	OJ991211_50.0403.C8.o2.np	Method	AAT/NAP
Start	853	End	2594
GI	4539658	Score	239
Exons	853..892, 2248..2374, 2416..2594		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84152	Strand	+
Start	853	End	5466
Name	OJ991211_50.0403.C8.o3.np	Method	AAT/NAP
Start	2248	End	5466
GI	4539658	Score	238
Exons	2248..2374, 2416..2594, 5411..5466		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84152	Strand	+
Start	853	End	5466
Name	OJ991211_50.0403.C8.o2.gp	Method	AAT/GAP
Start	2606	End	2913
GI	LIB3475-004-P1-K2-A5	Score	327
Exons	2606..2746, 2832..2913		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84153	Strand	-
Start	456	End	3183
Name	OJ991211_50.0403.C8.o1.np	Method	AAT/NAP
Start	456	End	3183
GI	6983859	Score	2613
Exons	456..1783, 1912..2121, 3108..3183		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84153	Strand	-
Start	456	End	3183
Name	OJ991211_50.0403.C8.o1.gs	Method	GENSCAN
Start	531	End	2128
GI	none	Score	.84
Exons	531..1898, 1922..2128		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84153	Strand	-

Start	456	End	3183
Name	OJ991211_50.0403.C8.o1.gp	Method	AAT/GAP
Start	2120	End	2369
GI	LIB3475-004-P1-K2-A5	Score	424
Exons	2120..2369		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84154	Strand	-
Start	3683	End	5779
Name	OJ991211_50.0403.C8.o4.np	Method	AAT/NAP
Start	3653	End	5689
GI	1279654	Score	908
Exons	3653..4104, 4426..4591, 5172..5363, 5465..5689		
GI Descrip.	(X97351) peroxidase [Populus balsamifera subsp. trichocarpa]		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84154	Strand	-
Start	3683	End	5779
Name	OJ991211_50.0403.C8.o2.gs	Method	GENSCAN
Start	3683	End	5686
GI	none	Score	.97
Exons	3683..4104, 4426..4591, 5172..5363, 5465..5686		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84154	Strand	-
Start	3683	End	5779
Name	OJ991211_50.0403.C8.o3.gp	Method	AAT/GAP
Start	5273	End	5779
GI	LIB3479-008-Q6-K1-A6	Score	628
Exons	5273..5363, 5465..5779		
GI Descrip.	'1279654/emb|CAA66037| 7.0e-24 (X97351) peroxidase [Populus balsamifera subsp. trichocarpa]'		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o4.tw	Method	TBLASTX:Wheat
Start	468	End	800
GI	none	Score	137
Exons	468..800, 489..761		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o1.tm	Method	TBLASTX:Maize
Start	651	End	1244
GI	none	Score	64
Exons	651..746, 651..1088, 661..870, 819..968, 946..1074, 1005..1088, 1086..1244, 1097..1159, 1102..1239		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o1.tw	Method	TBLASTX:Wheat
Start	801	End	1427

GI	none	Score	233
Exons	801..1427, 925..1371		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o2.tm	Method	TBLASTX:Maize
Start	1366	End	1626
GI	none	Score	240
Exons	1366..1626, 1368..1625		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o2.ts	Method	TBLASTX:Soybean
Start	1386	End	1641
GI	none	Score	72
Exons	1386..1514, 1386..1634, 1387..1641		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o2.tc	Method	TBLASTX:Cress
Start	1410	End	1727
GI	none	Score	95
Exons	1410..1553, 1426..1551, 1554..1727, 1608..1706		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o2.tw	Method	TBLASTX:Wheat
Start	1434	End	1865
GI	none	Score	267
Exons	1434..1865, 1438..1806		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o6.tw	Method	TBLASTX:Wheat
Start	2000	End	2116
GI	none	Score	74
Exons	2000..2116, 2015..2116		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o6.tm	Method	TBLASTX:Maize
Start	2150	End	2973
GI	none	Score	110
Exons	2150..2272, 2150..2272, 2151..2279, 2164..2280, 2252..2389, 2265..2390, 2268..2393, 2278..2394, 2638..2745, 2651..2746, 2842..2955, 2843..2905, 2847..2972, 2853..2969, 2857..2973		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o5.tm	Method	TBLASTX:Maize

Start	3674	End	7415
GI	none	Score	108
Exons	3674..3832, 3683..3772, 3684..3833, 3711..3833, 7268..7414, 7269..7415		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o1.tc	Method	TBLASTX:Cress
Start	3686	End	7687
GI	none	Score	93
Exons	3686..3832, 3836..3967, 3947..4108, 3969..4106, 4451..4591, 5133..5414, 5179..5364, 5468..5611, 5469..5576, 7268..7423, 7433..7555, 7526..7687		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o1.ts	Method	TBLASTX:Soybean
Start	3692	End	7687
GI	none	Score	156
Exons	3692..3967, 3711..3944, 3959..4108, 3969..4106, 4424..4657, 5181..5396, 5182..5364, 5465..5608, 5469..5609, 7268..7414, 7427..7555, 7550..7687		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o3.tw	Method	TBLASTX:Wheat
Start	3711	End	7660
GI	none	Score	38
Exons	3711..3728, 3734..3832, 3735..3833, 3747..3842, 3836..3973, 3837..3947, 3956..4081, 3969..4079, 4011..4082, 4013..4081, 7310..7420, 7398..7529, 7409..7555, 7520..7660		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o4.tm	Method	TBLASTX:Maize
Start	3834	End	7706
GI	none	Score	128
Exons	3834..3950, 3837..3956, 3842..3973, 3968..4108, 3969..4106, 4424..4516, 4523..4591, 7433..7555, 7520..7687, 7560..7706		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o5.tw	Method	TBLASTX:Wheat
Start	5178	End	5590
GI	none	Score	63
Exons	5178..5345, 5179..5232, 5296..5364, 5465..5590, 5469..5576		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o3.tm	Method	TBLASTX:Maize
Start	5199	End	5609

GI	none	Score	54
Exons	5199..5255, 5200..5235, 5253..5372, 5266..5364, 5307..5372, 5465..5608, 5469..5609		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o4.gp	Method	AAT/GAP
Start	6941	End	7691
GI	577_1.R1084	Score	1448
Exons	6941..7691		
GI Descrip.	'1853975/dbj|BAA03373| 0.0e+00 (D14482) putative peroxidase [Oryza sativa]'		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o3.gs	Method	GENSCAN
Start	7265	End	7683
GI	none	Score	1
Exons	7265..7683		

Seq. No.	40640	Seq. ID	OJ991211_50.0403.C8
Gene No.	84155	Strand	-
Start	7265	End	7706
Name	OJ991211_50.0403.C8.o5.np	Method	AAT/NAP
Start	7268	End	7684
GI	7433039	Score	673
Exons	7268..7684		
GI Descrip.	peroxidase (EC 1.11.1.7) poxN - rice gi|1272505|dbj|BAA08499.1| (D49551) peroxidase [Oryza sativa]		

Seq. No.	40641	Seq. ID	OJ991211_50.0403.C9
Gene No.	84156	Strand	+
Start	2185	End	2346
Name	OJ991211_50.0403.C9.o1.gp	Method	AAT/GAP
Start	2185	End	2346
GI	12293_1.R1084	Score	317
Exons	2185..2346		
GI Descrip.	'2443886 8.0e-98 (AC002294) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	40642	Seq. ID	OJ991211_50.0403.C10
Gene No.	84157	Strand	+
Start	1	End	1676
Name	OJ991211_50.0403.C10.o1.np	Method	AAT/NAP
Start	1	End	1676
GI	2443886	Score	245
Exons	1..177, 1566..1676		
GI Descrip.	(AC002294) Unknown protein [Arabidopsis thaliana]		

Seq. No.	40642	Seq. ID	OJ991211_50.0403.C10
Gene No.	84157	Strand	+
Start	1	End	1676
Name	OJ991211_50.0403.C10.o1.gp	Method	AAT/GAP
Start	71	End	1676
GI	12293_1.R1084	Score	393

Exons	71..177, 1566..1676		
GI Descrip.	'2443886 8.0e-98 (AC002294) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	40642	Seq. ID	OJ991211_50.0403.C10
Gene No.	84158	Strand	-
Start	197	End	1676
Name	OJ991211_50.0403.C10.o1.tm	Method	TBLASTX:Maize
Start	72	End	1676
GI	none	Score	171
Exons	72..185, 73..180, 1565..1675, 1566..1676, 1566..1676		
Seq. No.	40642	Seq. ID	OJ991211_50.0403.C10
Gene No.	84158	Strand	-
Start	197	End	1676
Name	OJ991211_50.0403.C10.o1.gs	Method	GENSCAN
Start	197	End	1598
GI	none	Score	.47
Exons	197..498, 1323..1598		
Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84159	Strand	+
Start	151	End	1226
Name	OJ991211_50.0403.C11.o1.gp	Method	AAT/GAP
Start	151	End	1226
GI	12293_1.R1084	Score	983
Exons	151..307, 867..1226		
GI Descrip.	'2443886 8.0e-98 (AC002294) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84159	Strand	+
Start	151	End	1226
Name	OJ991211_50.0403.C11.o1.gs	Method	GENSCAN
Start	151	End	988
GI	none	Score	.99
Exons	151..307, 867..988		
Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84160	Strand	+
Start	1912	End	3836
Name	OJ991211_50.0403.C11.o2.gs	Method	GENSCAN
Start	1912	End	3836
GI	none	Score	.64
Exons	1912..2444, 2463..2636, 2666..3836		
Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84160	Strand	+
Start	1912	End	3836
Name	OJ991211_50.0403.C11.o1.np	Method	AAT/NAP
Start	2072	End	3833
GI	2464864	Score	1553
Exons	2072..3833		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		
Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84161	Strand	-

Start	4379	End	11976
Name	OJ991211_50.0403.C11.o2.gp	Method	AAT/GAP
Start	4379	End	5977
GI	91289_1.R1084	Score	2164
Exons	4379..5322, 5795..5977		
GI Descrip.	'4102839 1.0e-103 (AF016713) LeOPT1 [Lycopersicon esculentum]'		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84161	Strand	-
Start	4379	End	11976
Name	OJ991211_50.0403.C11.o2.np	Method	AAT/NAP
Start	4503	End	7134
GI	4102839	Score	2050
Exons	4503..5322, 5795..6351, 6487..6704, 6990..7134		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84161	Strand	-
Start	4379	End	11976
Name	OJ991211_50.0403.C11.o3.gs	Method	GENSCAN
Start	4503	End	11976
GI	none	Score	.77
Exons	4503..5322, 5795..6351, 6487..6545, 6990..7089, 8455..8505, 8543..8664, 9835..9982, 10624..10718, 11046..11120, 11285..11403, 11535..11790, 11910..11976		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84161	Strand	-
Start	4379	End	11976
Name	OJ991211_50.0403.C11.o3.np	Method	AAT/NAP
Start	9587	End	11197
GI	4539658	Score	142
Exons	9587..9884, 11171..11197		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84161	Strand	-
Start	4379	End	11976
Name	OJ991211_50.0403.C11.o3.gp	Method	AAT/GAP
Start	9745	End	10236
GI	LIB3475-004-P1-K2-A5	Score	941
Exons	9745..10236		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o6.tm	Method	TBLASTX:Maize
Start	148	End	1002
GI	none	Score	250
Exons	148..306, 151..306, 158..313, 168..308, 221..310, 857..988, 857..994, 865..1002, 865..1002		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-

Start	12360	End	14801
Name	OJ991211_50.0403.C11.o5.ts	Method	TBLASTX:Soybean
Start	180	End	988
GI	none	Score	184
Exons	180..305, 184..306, 184..306, 857..988, 865..987		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o3.tm	Method	TBLASTX:Maize
Start	2242	End	3545
GI	none	Score	102
Exons	2242..2376, 2293..2367, 2458..2493, 2509..2640, 2509..2640, 2527..2808, 2703..2810, 2704..2808, 2823..3029, 2823..2945, 2832..3545, 2832..2984, 2834..2959, 2901..3119, 3290..3544		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o3.tc	Method	TBLASTX:Cress
Start	2251	End	3254
GI	none	Score	83
Exons	2251..2373, 2689..2796, 2877..3254, 2888..3076, 3132..3242		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o3.tw	Method	TBLASTX:Wheat
Start	2517	End	3137
GI	none	Score	117
Exons	2517..2600, 2518..2634, 2689..2781, 2703..2786, 2704..2787, 2709..2747, 2831..3088, 2832..3137, 2970..3107		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o1.ts	Method	TBLASTX:Soybean
Start	2997	End	3533
GI	none	Score	642
Exons	2997..3533, 2999..3523		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o2.tc	Method	TBLASTX:Cress
Start	3309	End	3851
GI	none	Score	511
Exons	3309..3836, 3311..3835, 3639..3851, 3742..3837		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o4.ts	Method	TBLASTX:Soybean
Start	3543	End	3847
GI	none	Score	369
Exons	3543..3845, 3550..3588, 3554..3847, 3623..3835, 3660..3836		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o4.tm	Method	TBLASTX:Maize
Start	3548	End	3857
GI	none	Score	367
Exons	3548..3835, 3549..3857, 3549..3857		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o1.tc	Method	TBLASTX:Cress
Start	4486	End	14800
GI	none	Score	578
Exons	4486..4785, 4495..5319, 4506..5270, 5788..6333, 5792..6388, 5794..6351, 6164..6388, 6466..6732, 6482..6625, 6487..6702, 6665..6715, 6980..7093, 6985..7092, 12292..12651, 12301..13122, 12408..13151, 12813..13130, 13146..13181, 13681..14190, 13682..14257, 13684..14244, 14619..14753, 14642..14755, 14646..14777, 14755..14799, 14756..14800		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o1.tw	Method	TBLASTX:Wheat
Start	4509	End	12707
GI	none	Score	186
Exons	4509..4841, 4573..4836, 4737..4838, 12367..12702, 12432..12707, 12528..12704		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o3.ts	Method	TBLASTX:Soybean
Start	4512	End	13875
GI	none	Score	88
Exons	4512..5267, 4594..4890, 4954..5280, 5794..5970, 6643..6729, 6991..7077, 7094..7123, 12408..13127, 12460..12720, 12816..13124, 12817..13128, 13684..13875		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o1.tm	Method	TBLASTX:Maize
Start	4566	End	13131
GI	none	Score	577
Exons	4566..4988, 4567..4986, 4624..4989, 4960..5307, 4980..5270, 5123..5299, 12432..12854, 12436..12855, 12838..13131, 12846..13130		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o2.tm	Method	TBLASTX:Maize
Start	5797	End	14230
GI	none	Score	105
Exons	5797..5970, 5797..6072, 5798..6070, 6076..6141, 6083..6136,		

6109..6336, 6121..6333, 6125..6337, 13631..13966, 13687..13965, 13927..14046, 13928..14029, 14002..14229, 14018..14230

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o2.ts	Method	TBLASTX:Soybean
Start	5983	End	14794
GI	none	Score	247
Exons	5983..6351, 5987..6388, 6390..6446, 6466..6639, 6467..6625, 13876..14154, 13876..14244, 13976..14254, 14631..14762, 14633..14764, 14755..14793, 14759..14794		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o5.tm	Method	TBLASTX:Maize
Start	6481	End	14800
GI	none	Score	153
Exons	6481..6699, 6482..6694, 6484..6732, 6986..7075, 6988..7092, 14607..14777, 14613..14762, 14636..14764, 14753..14800, 14755..14799		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o2.tw	Method	TBLASTX:Wheat
Start	6571	End	14799
GI	none	Score	91
Exons	6571..6732, 6572..6628, 6574..6702, 6665..6715, 6980..7090, 6985..7095, 6985..7092, 14726..14764, 14755..14799		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o7.tm	Method	TBLASTX:Maize
Start	9167	End	9971
GI	none	Score	78
Exons	9167..9271, 9167..9265, 9331..9390, 9331..9384, 9332..9394, 9382..9438, 9383..9439, 9388..9465, 9440..9544, 9442..9531, 9729..9833, 9730..9837, 9730..9840, 9838..9957, 9847..9969, 9849..9971, 9851..9970		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o4.gs	Method	GENSCAN
Start	12360	End	14124
GI	none	Score	.89
Exons	12360..13182, 13688..14124		

Seq. No.	40643	Seq. ID	OJ991211_50.0403.C11
Gene No.	84162	Strand	-
Start	12360	End	14801
Name	OJ991211_50.0403.C11.o4.np	Method	AAT/NAP
Start	12369	End	14801
GI	4102839	Score	1734

Exons	12369..13182, 13688..14244, 14642..14801		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		
Seq. No.	40644	Seq. ID	OJ991211_50.0403.C12
Gene No.	84163	Strand	+
Start	379	End	889
Name	OJ991211_50.0403.C12.o1.gs	Method	GENSCAN
Start	379	End	889
GI	none	Score	.56
Exons	379..889		
Seq. No.	40644	Seq. ID	OJ991211_50.0403.C12
Gene No.	84164	Strand	-
Start	1	End	134
Name	OJ991211_50.0403.C12.o1.np	Method	AAT/NAP
Start	1	End	134
GI	6635838	Score	68
Exons	1..134		
GI Descrip.	(AF213936) amino acid/peptide transporter [Prunus dulcis]		
Seq. No.	40645	Seq. ID	OJ991211_50.0403.C13
Gene No.	84165	Strand	
Start	756	End	1049
Name	OJ991211_50.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	756	End	1049
GI	none	Score	179
Exons	756..1049		
Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84166	Strand	+
Start	121	End	5031
Name	OJ991211_50.0403.C15.o1.gs	Method	GENSCAN
Start	121	End	5031
GI	none	Score	.82
Exons	121..303, 377..506, 835..954, 972..1098, 1128..1328, 1741..2237, 3443..3767, 4026..4071, 4149..4340, 4438..5031		
Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84166	Strand	+
Start	121	End	5031
Name	OJ991211_50.0403.C15.o2.np	Method	AAT/NAP
Start	3829	End	5028
GI	1491617	Score	789
Exons	3829..4062, 4149..4340, 4438..5028		
GI Descrip.	(X99952) peroxidase [Arabidopsis thaliana]		
Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84167	Strand	-
Start	1	End	1339
Name	OJ991211_50.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	1209
GI	485518	Score	436
Exons	1..68, 826..1015, 1107..1209		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - rice gi|303857|dbj|BAA02154.1| (D12629) ubiquitin/ribosomal polyprotein [Oryza sativa]		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84167	Strand	-
Start	1	End	1339
Name	OJ991211_50.0403.C15.o1.gp	Method	AAT/GAP
Start	823	End	1339
GI	1632715	Score	780
Exons	823..1015, 1107..1339		
GI Descrip.	485518/pir||S33633 5.0e-43 ubiquitin / ribosomal protein CEP52 - rice >gi_303857_dbj_BAA02154_ (D12629) ubiquitin/ribosomal polyprotein [Oryza sativa]		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84168	Strand	-
Start	5358	End	5492
Name	OJ991211_50.0403.C15.o2.gs	Method	GENSCAN
Start	5358	End	5492
GI	none	Score	.73
Exons	5358..5492		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o1.tw	Method	TBLASTX:Wheat
Start	823	End	1213
GI	none	Score	308
Exons	823..1020, 825..1016, 888..1016, 888..1016, 889..1020, 889..1020, 895..1020, 895..1020, 1094..1210, 1094..1213, 1100..1207, 1103..1210, 1103..1207, 1105..1212, 1105..1209, 1105..1209, 1107..1151, 1156..1209		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o2.tm	Method	TBLASTX:Maize
Start	823	End	1216
GI	none	Score	316
Exons	823..1020, 825..1016, 1094..1216, 1105..1212, 1109..1216		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o2.ts	Method	TBLASTX:Soybean
Start	823	End	1212
GI	none	Score	272
Exons	823..1020, 825..1016, 1094..1210, 1105..1212		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o2.tc	Method	TBLASTX:Cress
Start	823	End	1216
GI	none	Score	281
Exons	823..1020, 825..1016, 1094..1216, 1105..1215		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346

Name	OJ991211_50.0403.C15.o1.ts	Method	TBLASTX:Soybean
Start	3864	End	5025
GI	none	Score	145
Exons	3864..4058, 3925..4059, 4142..4330, 4143..4331, 4440..4496, 4441..4494, 4555..4746, 4569..4715, 4753..4866, 4881..5021, 4882..5025		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	3916	End	5022
GI	none	Score	132
Exons	3916..4059, 3930..4061, 4142..4342, 4143..4343, 4441..4506, 4453..4512, 4552..4734, 4569..4718, 4762..4878, 4873..5022, 4881..5021		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o1.tc	Method	TBLASTX:Cress
Start	3925	End	5033
GI	none	Score	132
Exons	3925..4062, 3954..4061, 4142..4333, 4143..4340, 4401..4505, 4429..4506, 4552..4746, 4554..4718, 4744..4872, 4875..5033, 4876..5022		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o3.tw	Method	TBLASTX:Wheat
Start	3937	End	4334
GI	none	Score	111
Exons	3937..4059, 3948..4061, 4143..4217, 4236..4334, 4241..4321		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o2.tw	Method	TBLASTX:Wheat
Start	4441	End	4851
GI	none	Score	68
Exons	4441..4494, 4555..4653, 4578..4628, 4605..4667, 4678..4851		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o4.tw	Method	TBLASTX:Wheat
Start	4864	End	5039
GI	none	Score	194
Exons	4864..5022, 4890..5018, 4929..5039		

Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o3.gs	Method	GENSCAN
Start	7853	End	11346
GI	none	Score	.93

Exons	7853..7955, 8457..8530, 9244..9369, 9955..10038, 10557..10605, 10729..10787, 11305..11346		
Seq. No.	40646	Seq. ID	OJ991211_50.0403.C15
Gene No.	84169	Strand	-
Start	7853	End	11346
Name	OJ991211_50.0403.C15.o3.np	Method	AAT/NAP
Start	7865	End	10056
GI	7487298	Score	126
Exons	7865..7955, 8457..8504, 9218..9335, 9939..10056		
GI Descrip.	hypothetical protein T21L14.22 - Arabidopsis thaliana gi|2702278|gb|AAB91981.1| (AC003033) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40647	Seq. ID	OJ991211_50.0403.C17
Gene No.	84170	Strand	-
Start	1	End	577
Name	OJ991211_50.0403.C17.o1.np	Method	AAT/NAP
Start	1	End	449
GI	6466937	Score	518
Exons	1..449		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	40647	Seq. ID	OJ991211_50.0403.C17
Gene No.	84170	Strand	-
Start	1	End	577
Name	OJ991211_50.0403.C17.o1.gs	Method	GENSCAN
Start	249	End	577
GI	none	Score	.52
Exons	249..433, 507..577		
Seq. No.	40647	Seq. ID	OJ991211_50.0403.C17
Gene No.	84171	Strand	-
Start	833	End	1000
Name	OJ991211_50.0403.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	435
GI	none	Score	182
Exons	1..435, 8..367		
Seq. No.	40647	Seq. ID	OJ991211_50.0403.C17
Gene No.	84171	Strand	-
Start	833	End	1000
Name	OJ991211_50.0403.C17.o1.tm	Method	TBLASTX:Maize
Start	4	End	414
GI	none	Score	168
Exons	4..414, 17..337		
Seq. No.	40647	Seq. ID	OJ991211_50.0403.C17
Gene No.	84171	Strand	-
Start	833	End	1000
Name	OJ991211_50.0403.C17.o1.ts	Method	TBLASTX:Soybean
Start	118	End	435
GI	none	Score	57
Exons	118..309, 121..435		
Seq. No.	40647	Seq. ID	OJ991211_50.0403.C17

Gene No.	84171	Strand	-
Start	833	End	1000
Name	OJ991211_50.0403.C17.o2.np	Method	AAT/NAP
Start	833	End	1000
GI	6815109	Score	132
Exons	833..1000		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40648	Seq. ID	OJ991211_50.0403.C19
Gene No.	84172	Strand	-
Start	1	End	4491
Name	OJ991211_50.0403.C19.o1.np	Method	AAT/NAP
Start	1	End	4491
GI	3834317	Score	1107
Exons	1..102, 412..562, 1267..1341, 1724..1849, 1937..2126, 2474..2519, 2698..2737, 3091..3164, 3247..3381, 4249..4491		
GI Descrip.	(AC005679) Similar to CDC16 protein gb|U18291 (CDC16Hs) from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	40648	Seq. ID	OJ991211_50.0403.C19
Gene No.	84172	Strand	-
Start	1	End	4491
Name	OJ991211_50.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	424	End	2315
GI	none	Score	145
Exons	424..561, 438..563, 472..567, 494..565, 1261..1341, 1266..1343, 1720..1848, 1723..1848, 1724..1849, 1925..2113, 1929..2135, 1936..2112, 2221..2301, 2221..2301, 2232..2315		

Seq. No.	40648	Seq. ID	OJ991211_50.0403.C19
Gene No.	84172	Strand	-
Start	1	End	4491
Name	OJ991211_50.0403.C19.o1.gs	Method	GENSCAN
Start	437	End	4491
GI	none	Score	.81
Exons	437..562, 1267..1341, 1724..1849, 1937..2112, 2698..2737, 3091..3164, 3247..3381, 4249..4491		

Seq. No.	40648	Seq. ID	OJ991211_50.0403.C19
Gene No.	84172	Strand	-
Start	1	End	4491
Name	OJ991211_50.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	3301	End	4467
GI	none	Score	94
Exons	3301..3378, 3303..3380, 3304..3387, 3332..3433, 4249..4467, 4250..4438, 4360..4449		

Seq. No.	40648	Seq. ID	OJ991211_50.0403.C19
Gene No.	84172	Strand	-
Start	1	End	4491
Name	OJ991211_50.0403.C19.o1.ts	Method	TBLASTX:Soybean
Start	4294	End	4467
GI	none	Score	136
Exons	4294..4467, 4313..4438, 4360..4449		

Seq. No.	40649	Seq. ID	OJ991211_50.0403.C20
Gene No.	84173	Strand	+

Start	2063	End	3728
Name	OJ991211_50.0403.C20.o1.np	Method	AAT/NAP
Start	2063	End	3728
GI	6815109	Score	183
Exons	2063..2227, 2870..3221, 3692..3728		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40649	Seq. ID	OJ991211_50.0403.C20
Gene No.	84174	Strand	-
Start	61	End	494
Name	OJ991211_50.0403.C20.o1.gs	Method	GENSCAN
Start	61	End	494
GI	none	Score	.99
Exons	61..494		

Seq. No.	40649	Seq. ID	OJ991211_50.0403.C20
Gene No.	84175	Strand	-
Start	1883	End	2509
Name	OJ991211_50.0403.C20.o1.tm	Method	TBLASTX:Maize
Start	90	End	2317
GI	none	Score	61
Exons	90..155, 93..146, 255..347, 256..345, 2057..2101, 2219..2317		

Seq. No.	40649	Seq. ID	OJ991211_50.0403.C20
Gene No.	84175	Strand	-
Start	1883	End	2509
Name	OJ991211_50.0403.C20.o2.gs	Method	GENSCAN
Start	1883	End	2509
GI	none	Score	.93
Exons	1883..2509		

Seq. No.	40650	Seq. ID	OJ991211_50.0403.C21
Gene No.	84176	Strand	+
Start	1	End	202
Name	OJ991211_50.0403.C21.o1.np	Method	AAT/NAP
Start	1	End	202
GI	5042454	Score	217
Exons	1..202		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40650	Seq. ID	OJ991211_50.0403.C21
Gene No.	84177	Strand	-
Start	18	End	255
Name	OJ991211_50.0403.C21.o1.gs	Method	GENSCAN
Start	18	End	255
GI	none	Score	.83
Exons	18..255		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o1.np	Method	AAT/NAP
Start	1	End	2273
GI	6466937	Score	1240
Exons	1..1926, 2184..2273		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o2.ts	Method	TBLASTX:Soybean
Start	10	End	252
GI	none	Score	183
Exons	10..252		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o3.tm	Method	TBLASTX:Maize
Start	13	End	543
GI	none	Score	389
Exons	13..423, 22..381, 96..419, 448..543		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o1.tw	Method	TBLASTX:Wheat
Start	406	End	834
GI	none	Score	363
Exons	406..834, 648..833		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o1.tm	Method	TBLASTX:Maize
Start	670	End	1305
GI	none	Score	663
Exons	670..1305, 756..1286		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o1.ts	Method	TBLASTX:Soybean
Start	691	End	1077
GI	none	Score	326
Exons	691..1077, 723..1076, 742..1077		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o1.gs	Method	GENSCAN
Start	862	End	1965
GI	none	Score	.76
Exons	862..1965		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o4.tw	Method	TBLASTX:Wheat
Start	895	End	1154
GI	none	Score	219
Exons	895..1152, 1020..1154		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o2.tw	Method	TBLASTX:Wheat
Start	1155	End	1542
GI	none	Score	198
Exons	1155..1313, 1156..1344, 1351..1542, 1473..1541		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o2.tm	Method	TBLASTX:Maize
Start	1348	End	1931
GI	none	Score	310
Exons	1348..1713, 1392..1670, 1744..1929, 1803..1931		

Seq. No.	40651	Seq. ID	OJ991211_50.0403.C22
Gene No.	84178	Strand	+
Start	1	End	2273
Name	OJ991211_50.0403.C22.o3.tw	Method	TBLASTX:Wheat
Start	1696	End	1896
GI	none	Score	222
Exons	1696..1896, 1755..1892		

Seq. No.	40652	Seq. ID	OJ991211_50.0403.C23
Gene No.	84179	Strand	-
Start	4283	End	5691
Name	OJ991211_50.0403.C23.o1.np	Method	AAT/NAP
Start	4283	End	5691
GI	6907106	Score	492
Exons	4283..4679, 5199..5539, 5631..5691		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40652	Seq. ID	OJ991211_50.0403.C23
Gene No.	84180	Strand	-
Start	7267	End	7342
Name	OJ991211_50.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	4382	End	4814
GI	none	Score	76
Exons	4382..4492, 4382..4426, 4385..4528, 4387..4503, 4438..4491, 4462..4527, 4469..4648, 4498..4647, 4504..4548, 4538..4654, 4548..4670, 4653..4715, 4668..4685, 4773..4814		

Seq. No.	40652	Seq. ID	OJ991211_50.0403.C23
Gene No.	84180	Strand	-
Start	7267	End	7342
Name	OJ991211_50.0403.C23.o2.gs	Method	GENSCAN
Start	7267	End	7342
GI	none	Score	.94
Exons	7267..7342		

Seq. No.	40652	Seq. ID	OJ991211_50.0403.C23
Gene No.	84181	Strand	
Start	7520	End	7903
Name	OJ991211_50.0403.C23.o2.tm	Method	TBLASTX:Maize
Start	7520	End	7720

GI	none	Score	74
Exons	7520..7720, 7545..7718		
Seq. No.	40652	Seq. ID	OJ991211_50.0403.C23
Gene No.	84181	Strand	
Start	7520	End	7903
Name	OJ991211_50.0403.C23.o1.tw	Method	TBLASTX:Wheat
Start	7557	End	7903
GI	none	Score	99
Exons	7557..7745, 7559..7747, 7736..7903, 7746..7790		
Seq. No.	40653	Seq. ID	OJ991211_50.0403.C24
Gene No.	84182	Strand	+
Start	9	End	993
Name	OJ991211_50.0403.C24.o1.gs	Method	GENSCAN
Start	9	End	993
GI	none	Score	.85
Exons	9..993		
Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84183	Strand	+
Start	50	End	379
Name	OJ991111_13.0410.C1.o1.gs	Method	GENSCAN
Start	50	End	379
GI	none	Score	.9
Exons	50..379		
Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84184	Strand	+
Start	2419	End	3703
Name	OJ991111_13.0410.C1.o2.gs	Method	GENSCAN
Start	2419	End	3703
GI	none	Score	.79
Exons	2419..2459, 2574..2745, 2816..2980, 3002..3284, 3417..3703		
Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84185	Strand	+
Start	9621	End	12680
Name	OJ991111_13.0410.C1.o4.gs	Method	GENSCAN
Start	9621	End	12680
GI	none	Score	.4
Exons	9621..12680		
Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84185	Strand	+
Start	9621	End	12680
Name	OJ991111_13.0410.C1.o1.np	Method	AAT/NAP
Start	10227	End	11672
GI	7489509	Score	1603
Exons	10227..11672		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84186	Strand	-
Start	3979	End	6514

Name	OJ991111_13.0410.C1.o3.gs	Method	GENSCAN
Start	3979	End	6514
GI	none	Score	.69
Exons	3979..4134, 5184..5367, 5420..5430, 6446..6514		

Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84187	Strand	
Start	10209	End	11624
Name	OJ991111_13.0410.C1.o1.tc	Method	TBLASTX:Cress
Start	10209	End	11513
GI	none	Score	69
Exons	10209..10286, 10305..10472, 10530..10772, 10878..10988, 11292..11513		

Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84187	Strand	
Start	10209	End	11624
Name	OJ991111_13.0410.C1.o1.tm	Method	TBLASTX:Maize
Start	10236	End	11057
GI	none	Score	72
Exons	10236..10361, 10443..10553, 10518..10556, 10587..10646, 10656..11057, 10677..10814, 10841..10960		

Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84187	Strand	
Start	10209	End	11624
Name	OJ991111_13.0410.C1.o1.ts	Method	TBLASTX:Soybean
Start	10404	End	10976
GI	none	Score	59
Exons	10404..10484, 10530..10643, 10674..10790, 10803..10976		

Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84187	Strand	
Start	10209	End	11624
Name	OJ991111_13.0410.C1.o1.tw	Method	TBLASTX:Wheat
Start	10674	End	10960
GI	none	Score	92
Exons	10674..10820, 10691..10789, 10815..10958, 10844..10960		

Seq. No.	40654	Seq. ID	OJ991111_13.0410.C1
Gene No.	84187	Strand	
Start	10209	End	11624
Name	OJ991111_13.0410.C1.o2.tm	Method	TBLASTX:Maize
Start	11097	End	11624
GI	none	Score	238
Exons	11097..11624, 11328..11615		

Seq. No.	40655	Seq. ID	OJ991111_13.0410.C3
Gene No.	84188	Strand	+
Start	1694	End	2071
Name	OJ991111_13.0410.C3.o1.np	Method	AAT/NAP
Start	1694	End	2071
GI	7443912	Score	136
Exons	1694..1927, 1961..2071		
GI Descrip.	hypothetical protein T6H20.240 - Arabidopsis thaliana gi|5541686|emb|CAB51192.1| (AL096859) putative protein [Arabidopsis thaliana]		

Seq. No.	40656	Seq. ID	OJ991111_13.0410.C4
Gene No.	84189	Strand	+
Start	408	End	596
Name	OJ991111_13.0410.C4.o1.gs	Method	GENSCAN
Start	408	End	596
GI	none	Score	.48
Exons	408..596		

Seq. No.	40656	Seq. ID	OJ991111_13.0410.C4
Gene No.	84190	Strand	+
Start	1949	End	6347
Name	OJ991111_13.0410.C4.o2.gs	Method	GENSCAN
Start	1949	End	5734
GI	none	Score	.76
Exons	1949..2078, 2921..3009, 3960..4042, 5028..5332, 5469..5734		

Seq. No.	40656	Seq. ID	OJ991111_13.0410.C4
Gene No.	84190	Strand	+
Start	1949	End	6347
Name	OJ991111_13.0410.C4.o1.np	Method	AAT/NAP
Start	4568	End	6347
GI	6983857	Score	1056
Exons	4568..4683, 4746..5295, 5465..5932, 5973..6034, 6151..6347		
GI Descrip.	(AP001168) hypothetical protein [Oryza sativa]		

Seq. No.	40656	Seq. ID	OJ991111_13.0410.C4
Gene No.	84191	Strand	-
Start	2641	End	3114
Name	OJ991111_13.0410.C4.o1.gp	Method	AAT/GAP
Start	2641	End	3114
GI	38782_1.R1084	Score	749
Exons	2641..3114		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o1.gs	Method	GENSCAN
Start	212	End	8002
GI	none	Score	.41
Exons	212..357, 415..595, 1260..1438, 1924..2295, 3677..3829, 3899..4157, 4344..5519, 5700..8002		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o1.np	Method	AAT/NAP
Start	2842	End	8129
GI	6466937	Score	2065
Exons	2842..2989, 4549..8129		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+

Start	212	End	8129
Name	OJ991111_13.0410.C5.o3.ts	Method	TBLASTX:Soybean
Start	6006	End	6323
GI	none	Score	231
Exons	6006..6320, 6084..6323		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o2.tm	Method	TBLASTX:Maize
Start	6021	End	6506
GI	none	Score	460
Exons	6021..6506, 6111..6293, 6311..6463, 6321..6503		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o1.tw	Method	TBLASTX:Wheat
Start	6081	End	6452
GI	none	Score	389
Exons	6081..6452, 6122..6277, 6135..6410, 6311..6448		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o2.ts	Method	TBLASTX:Soybean
Start	6429	End	6776
GI	none	Score	337
Exons	6429..6776, 6551..6775		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o3.tw	Method	TBLASTX:Wheat
Start	6501	End	6899
GI	none	Score	227
Exons	6501..6776, 6539..6775, 6771..6866, 6783..6899		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o3.tm	Method	TBLASTX:Maize
Start	6525	End	7067
GI	none	Score	249
Exons	6525..6779, 6536..6778, 6783..7067, 6845..6973		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o4.ts	Method	TBLASTX:Soybean
Start	6807	End	7052
GI	none	Score	216
Exons	6807..7052, 6809..6952, 6861..6953		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129

Name	OJ991111_13.0410.C5.o5.tw	Method	TBLASTX:Wheat
Start	6909	End	7235
GI	none	Score	204
Exons	6909..7235		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o4.tm	Method	TBLASTX:Maize
Start	7068	End	7478
GI	none	Score	115
Exons	7068..7223, 7263..7478		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o2.tw	Method	TBLASTX:Wheat
Start	7260	End	7652
GI	none	Score	279
Exons	7260..7652, 7391..7513		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o1.tm	Method	TBLASTX:Maize
Start	7485	End	8120
GI	none	Score	646
Exons	7485..8120, 7622..8119		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o1.ts	Method	TBLASTX:Soybean
Start	7506	End	7892
GI	none	Score	353
Exons	7506..7892, 7577..7867		

Seq. No.	40657	Seq. ID	OJ991111_13.0410.C5
Gene No.	84192	Strand	+
Start	212	End	8129
Name	OJ991111_13.0410.C5.o4.tw	Method	TBLASTX:Wheat
Start	7740	End	8120
GI	none	Score	263
Exons	7740..8120		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84193	Strand	+
Start	376	End	485
Name	OJ991111_13.0410.C8.o1.gs	Method	GENSCAN
Start	376	End	485
GI	none	Score	.66
Exons	376..485		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84194	Strand	+
Start	13440	End	14456
Name	OJ991111_13.0410.C8.o2.np	Method	AAT/NAP

Start	13440	End	14456
GI	7362743	Score	338
Exons	13440..14456		
GI Descrip.	(AL162651) putative protein [Arabidopsis thaliana]		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84195	Strand	-
Start	1219	End	6104
Name	OJ991111_13.0410.C8.o2.gs	Method	GENSCAN
Start	1219	End	6098
GI	none	Score	.64
Exons	1219..1354, 1410..1530, 1774..1810, 1901..2125, 2211..2564, 2988..3084, 3205..3368, 3524..3688, 3865..4184, 5990..6098		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84195	Strand	-
Start	1219	End	6104
Name	OJ991111_13.0410.C8.o1.np	Method	AAT/NAP
Start	1709	End	6104
GI	6714387	Score	1531
Exons	1709..1810, 1901..2125, 2211..2564, 2643..2757, 2844..2887, 2988..3084, 3205..3368, 3461..3680, 3744..3981, 4051..4225, 5968..6104		
GI Descrip.	(AC012393) putative DNA helicase [Arabidopsis thaliana]		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84196	Strand	-
Start	15973	End	16209
Name	OJ991111_13.0410.C8.o6.gs	Method	GENSCAN
Start	15973	End	16209
GI	none	Score	.44
Exons	15973..16047, 16153..16209		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o1.tm	Method	TBLASTX:Maize
Start	1949	End	3048
GI	none	Score	105
Exons	1949..2068, 1950..2069, 2006..2125, 2034..2126, 2034..2126, 2035..2127, 2194..2565, 2202..2567, 2211..2567, 2212..2571, 2216..2590, 2641..2709, 2652..2693, 2685..2759, 2686..2754, 2688..2759, 2696..2770, 2838..2888, 2846..2893, 2998..3048		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o1.ts	Method	TBLASTX:Soybean
Start	2739	End	3559
GI	none	Score	70
Exons	2739..2759, 2838..2924, 2846..2911, 2967..3086, 2983..3087, 3202..3369, 3204..3365, 3458..3559, 3459..3554		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o3.tm	Method	TBLASTX:Maize

Start	3288	End	3644
GI	none	Score	102
Exons	3288..3365, 3288..3365, 3289..3369, 3344..3370, 3451..3639, 3456..3497, 3458..3640, 3459..3641, 3522..3644		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o7.gs	Method	GENSCAN
Start	20540	End	22087
GI	none	Score	1
Exons	20540..22087		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o3.np	Method	AAT/NAP
Start	20558	End	22021
GI	3249103	Score	734
Exons	20558..22021		
GI Descrip.	(AC003114) Contains similarity to membrane-associated salt-inducible protein homolog TM021B04.10 gb|2191192 from A. thaliana BAC gb|AF007271. [Arabidopsis thaliana]		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o2.ts	Method	TBLASTX:Soybean
Start	20570	End	21017
GI	none	Score	93
Exons	20570..21016, 20786..20971, 20835..21017		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o2.tm	Method	TBLASTX:Maize
Start	20585	End	21413
GI	none	Score	163
Exons	20585..21187, 20586..21188, 20933..21007, 20975..21211, 20993..21208, 21008..21193, 21215..21406, 21312..21413		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o1.tc	Method	TBLASTX:Cress
Start	20765	End	21142
GI	none	Score	72
Exons	20765..21142, 20777..20887, 20912..21136		

Seq. No.	40658	Seq. ID	OJ991111_13.0410.C8
Gene No.	84197	Strand	-
Start	20540	End	22087
Name	OJ991111_13.0410.C8.o1.tw	Method	TBLASTX:Wheat
Start	20877	End	21322
GI	none	Score	108
Exons	20877..21200, 20879..21199, 20939..21058, 21212..21322		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84198	Strand	-
Start	70	End	2607
Name	OJ991111_13.0410.C9.o1.gp	Method	AAT/GAP
Start	70	End	2607
GI	35419_1.R1084	Score	1794
Exons	70..551, 1325..1544, 2371..2607		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84198	Strand	-
Start	70	End	2607
Name	OJ991111_13.0410.C9.o1.gs	Method	GENSCAN
Start	336	End	2570
GI	none	Score	.98
Exons	336..551, 1325..1544, 2371..2570		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84198	Strand	-
Start	70	End	2607
Name	OJ991111_13.0410.C9.o1.np	Method	AAT/NAP
Start	384	End	2450
GI	7362738	Score	498
Exons	384..551, 1325..1544, 2371..2450		
GI Descrip.	(AL162651) putative protein [Arabidopsis thaliana]		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o1.tm	Method	TBLASTX:Maize
Start	257	End	2574
GI	none	Score	110
Exons	257..442, 333..557, 346..552, 1322..1447, 1322..1576, 1326..1577, 2368..2454, 2370..2432, 2502..2555, 2503..2574, 2548..2574		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o2.ts	Method	TBLASTX:Soybean
Start	336	End	2668
GI	none	Score	98
Exons	336..464, 336..557, 349..552, 1322..1543, 1322..1573, 1326..1574, 2359..2454, 2370..2435, 2502..2555, 2630..2668		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o2.tc	Method	TBLASTX:Cress
Start	1322	End	2433
GI	none	Score	171
Exons	1322..1576, 1326..1577, 2368..2433, 2370..2432		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402

Name	OJ991111_13.0410.C9.o1.tw	Method	TBLASTX:Wheat
Start	1370	End	2574
GI	none	Score	247
Exons	1370..1573, 1371..1574, 2370..2435, 2371..2454, 2447..2464, 2502..2555, 2503..2574		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o2.tm	Method	TBLASTX:Maize
Start	3662	End	4400
GI	none	Score	35
Exons	3662..3700, 3767..3955, 3768..3950, 4010..4090, 4193..4351, 4239..4349, 4361..4399, 4371..4400		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o1.ts	Method	TBLASTX:Soybean
Start	3752	End	4400
GI	none	Score	105
Exons	3752..3952, 3762..3950, 4010..4090, 4014..4064, 4205..4399, 4230..4400		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o2.gs	Method	GENSCAN
Start	3755	End	4398
GI	none	Score	.86
Exons	3755..4398		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o1.tc	Method	TBLASTX:Cress
Start	3758	End	4400
GI	none	Score	103
Exons	3758..3952, 3759..3950, 4011..4091, 4013..4090, 4205..4399, 4206..4400		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o2.tw	Method	TBLASTX:Wheat
Start	3854	End	4324
GI	none	Score	61
Exons	3854..3952, 3855..3950, 4010..4090, 4014..4088, 4205..4324, 4206..4313		

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o3.gp	Method	AAT/GAP
Start	4010	End	4344
GI	uC-osflcyp033h09b1	Score	606
Exons	4010..4344		

GI Descrip. '4100433 2.0e-10 (AF000378) beta-glucosidase [Glycine max]'

Seq. No.	40659	Seq. ID	OJ991111_13.0410.C9
Gene No.	84199	Strand	-
Start	3755	End	4402
Name	OJ991111_13.0410.C9.o2.np	Method	AAT/NAP
Start	4058	End	4402
GI	4100433	Score	230
Exons	4058..4124, 4158..4402		
GI Descrip.	(AF000378) beta-glucosidase [Glycine max]		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o1.np	Method	AAT/NAP
Start	1	End	5284
GI	6573772	Score	1201
Exons	1..953, 1167..1421, 4895..5284		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o1.ts	Method	TBLASTX:Soybean
Start	91	End	5171
GI	none	Score	66
Exons	91..192, 94..198, 95..205, 102..350, 414..461, 456..578, 469..579, 579..1247, 580..1227, 1248..1424, 1249..1419, 4881..5171, 4886..5104		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o1.tm	Method	TBLASTX:Maize
Start	94	End	1157
GI	none	Score	85
Exons	94..198, 95..187, 99..218, 100..219, 135..350, 136..276, 423..575, 487..570, 562..1143, 606..1157		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o1.gs	Method	GENSCAN
Start	96	End	5296
GI	none	Score	.42
Exons	96..1467, 2112..2211, 3071..3101, 4895..5296		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o1.tc	Method	TBLASTX:Cress
Start	103	End	1329
GI	none	Score	118
Exons	103..153, 169..198, 240..272, 420..446, 474..578, 475..573, 612..1232, 613..1233, 1203..1325, 1252..1329		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10

Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o2.tm	Method	TBLASTX:Maize
Start	1158	End	1434
GI	none	Score	87
Exons	1158..1226, 1159..1227, 1245..1424, 1246..1434		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o2.tc	Method	TBLASTX:Cress
Start	1329	End	5104
GI	none	Score	102
Exons	1329..1424, 1330..1419, 4881..5081, 4886..5104, 4922..5104		

Seq. No.	40660	Seq. ID	OJ991111_13.0410.C10
Gene No.	84200	Strand	-
Start	1	End	5296
Name	OJ991111_13.0410.C10.o3.tm	Method	TBLASTX:Maize
Start	4886	End	5050
GI	none	Score	221
Exons	4886..5044, 4899..5042, 4901..5050		

Seq. No.	40661	Seq. ID	OJ991111_13.0410.C11
Gene No.	84201	Strand	+
Start	1070	End	4287
Name	OJ991111_13.0410.C11.o1.gs	Method	GENSCAN
Start	1070	End	4248
GI	none	Score	.5
Exons	1070..1465, 1758..1809, 2765..2973, 3165..3346, 3661..3817, 3865..4248		

Seq. No.	40661	Seq. ID	OJ991111_13.0410.C11
Gene No.	84201	Strand	+
Start	1070	End	4287
Name	OJ991111_13.0410.C11.o1.np	Method	AAT/NAP
Start	1086	End	4287
GI	7339715	Score	169
Exons	1086..1137, 4038..4287		
GI Descrip.	(AP001539) EST AU057816(S21817) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome IV BAC T19F06; unknown protein. (AC002343) [Oryza sativa]		

Seq. No.	40661	Seq. ID	OJ991111_13.0410.C11
Gene No.	84202	Strand	+
Start	4910	End	5339
Name	OJ991111_13.0410.C11.o1.tm	Method	TBLASTX:Maize
Start	4035	End	4233
GI	none	Score	77
Exons	4035..4124, 4039..4128, 4040..4135, 4041..4127, 4134..4226, 4135..4233		

Seq. No.	40661	Seq. ID	OJ991111_13.0410.C11
Gene No.	84202	Strand	+
Start	4910	End	5339
Name	OJ991111_13.0410.C11.o2.gs	Method	GENSCAN
Start	4910	End	5339

GI	none	Score	.51
Exons	4910..5018, 5122..5339		

Seq. No.	40662	Seq. ID	OJ991111_13.0410.C12
Gene No.	84203	Strand	+
Start	1	End	738
Name	OJ991111_13.0410.C12.o1.np	Method	AAT/NAP
Start	1	End	738
GI	7489509	Score	1170
Exons	1..738		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	40662	Seq. ID	OJ991111_13.0410.C12
Gene No.	84203	Strand	+
Start	1	End	738
Name	OJ991111_13.0410.C12.o1.tm	Method	TBLASTX:Maize
Start	5	End	403
GI	none	Score	344
Exons	5..403, 5..172, 187..312, 212..319		

Seq. No.	40662	Seq. ID	OJ991111_13.0410.C12
Gene No.	84203	Strand	+
Start	1	End	738
Name	OJ991111_13.0410.C12.o1.ts	Method	TBLASTX:Soybean
Start	13	End	397
GI	none	Score	106
Exons	13..96, 17..133, 190..327, 191..331, 323..397		

Seq. No.	40662	Seq. ID	OJ991111_13.0410.C12
Gene No.	84203	Strand	+
Start	1	End	738
Name	OJ991111_13.0410.C12.o1.tc	Method	TBLASTX:Cress
Start	14	End	490
GI	none	Score	71
Exons	14..106, 25..102, 191..322, 196..264, 332..427, 428..490		

Seq. No.	40662	Seq. ID	OJ991111_13.0410.C12
Gene No.	84203	Strand	+
Start	1	End	738
Name	OJ991111_13.0410.C12.o1.tw	Method	TBLASTX:Wheat
Start	20	End	304
GI	none	Score	105
Exons	20..160, 37..165, 179..304		

Seq. No.	40662	Seq. ID	OJ991111_13.0410.C12
Gene No.	84203	Strand	+
Start	1	End	738
Name	OJ991111_13.0410.C12.o1.gs	Method	GENSCAN
Start	296	End	719
GI	none	Score	.5
Exons	296..719		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84204	Strand	+
Start	1	End	2120

Name	OJ991111_13.0410.C13.o1.np	Method	AAT/NAP
Start	1	End	1412
GI	7489509	Score	2373
Exons	1..1412		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84204	Strand	+
Start	1	End	2120
Name	OJ991111_13.0410.C13.o2.np	Method	AAT/NAP
Start	1	End	2120
GI	7489066	Score	497
Exons	1..1955, 2070..2120		
GI Descrip.	resistance complex protein I2C-2 - tomato gi|2258317|gb|AAB63275.1| (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84205	Strand	+
Start	4128	End	4580
Name	OJ991111_13.0410.C13.o1.gp	Method	AAT/GAP
Start	4128	End	4580
GI	none	Score	877
Exons	4128..4580		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84206	Strand	+
Start	7854	End	12572
Name	OJ991111_13.0410.C13.o3.gs	Method	GENSCAN
Start	7854	End	10947
GI	none	Score	.51
Exons	7854..8737, 8776..10158, 10374..10947		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84206	Strand	+
Start	7854	End	12572
Name	OJ991111_13.0410.C13.o4.np	Method	AAT/NAP
Start	7960	End	12572
GI	7489066	Score	620
Exons	7960..10419, 12517..12572		
GI Descrip.	resistance complex protein I2C-2 - tomato gi|2258317|gb|AAB63275.1| (AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84206	Strand	+
Start	7854	End	12572
Name	OJ991111_13.0410.C13.o3.np	Method	AAT/NAP
Start	8457	End	9898
GI	7489509	Score	1487
Exons	8457..9898		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84207	Strand	-
Start	11091	End	11678
Name	OJ991111_13.0410.C13.o4.gs	Method	GENSCAN
Start	11091	End	11678
GI	none	Score	.96
Exons	11091..11678		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84208	Strand	-
Start	14123	End	14478
Name	OJ991111_13.0410.C13.o5.gs	Method	GENSCAN
Start	14123	End	14478
GI	none	Score	.73
Exons	14123..14313, 14430..14478		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o1.tc	Method	TBLASTX:Cress
Start	24	End	9739
GI	none	Score	87
Exons	24..206, 267..512, 618..728, 1032..1253, 1047..1241, 8520..8702, 8759..9001, 9107..9202, 9533..9739		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o1.tm	Method	TBLASTX:Maize
Start	396	End	9283
GI	none	Score	83
Exons	396..494, 416..478, 504..713, 516..797, 8484..8690, 8667..8738, 8816..8893, 8882..9283, 8909..9202		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o1.ts	Method	TBLASTX:Soybean
Start	408	End	9373
GI	none	Score	42
Exons	408..479, 543..746, 822..884, 8634..8714, 8759..8872, 8900..9019, 9035..9244, 9311..9373		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o1.tw	Method	TBLASTX:Wheat
Start	411	End	9187
GI	none	Score	55
Exons	411..488, 486..554, 567..698, 8903..9043, 8920..9018, 9061..9147, 9062..9187		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o2.tm	Method	TBLASTX:Maize
Start	837	End	9952

GI	none	Score	311
Exons	837..1508, 1064..1375, 1391..1480, 9551..9646, 9554..9952, 9607..9861		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o2.ts	Method	TBLASTX:Soybean
Start	1044	End	9853
GI	none	Score	177
Exons	1044..1367, 9524..9853		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o3.tm	Method	TBLASTX:Maize
Start	16520	End	16723
GI	none	Score	286
Exons	16520..16675, 16531..16722, 16532..16723		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84209	Strand	-
Start	17057	End	17169
Name	OJ991111_13.0410.C13.o5.np	Method	AAT/NAP
Start	17057	End	17169
GI	5777617	Score	78
Exons	17057..17169		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	40663	Seq. ID	OJ991111_13.0410.C13
Gene No.	84210	Strand	
Start	18778	End	19063
Name	OJ991111_13.0410.C13.o4.tm	Method	TBLASTX:Maize
Start	18778	End	19063
GI	none	Score	92
Exons	18778..18858, 18786..18848, 18868..18897, 18963..19058, 18989..19063, 18990..19061		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84211	Strand	+
Start	1245	End	3571
Name	OJ991111_13.0410.C14.o1.np	Method	AAT/NAP
Start	1245	End	2687
GI	7489509	Score	1533
Exons	1245..2687		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84211	Strand	+
Start	1245	End	3571
Name	OJ991111_13.0410.C14.o3.np	Method	AAT/NAP
Start	1506	End	3571
GI	4234955	Score	573
Exons	1506..3214, 3332..3395, 3525..3571		
GI Descrip.	(AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84212	Strand	+
Start	15376	End	16720
Name	OJ991111_13.0410.C14.o5.np	Method	AAT/NAP
Start	15376	End	16720
GI	6630699	Score	101
Exons	15376..15410, 16570..16720		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84213	Strand	+
Start	18250	End	20305
Name	OJ991111_13.0410.C14.o4.gs	Method	GENSCAN
Start	18250	End	19212
GI	none	Score	.73
Exons	18250..18283, 18421..18600, 18640..18790, 19062..19212		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84213	Strand	+
Start	18250	End	20305
Name	OJ991111_13.0410.C14.o7.np	Method	AAT/NAP
Start	18432	End	20305
GI	4680186	Score	270
Exons	18432..18553, 20120..20305		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o1.tc	Method	TBLASTX:Cress
Start	1206	End	2528
GI	none	Score	66
Exons	1206..1304, 1323..1490, 1548..1790, 1896..1991, 2310..2528		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o1.tm	Method	TBLASTX:Maize
Start	1254	End	2074
GI	none	Score	65
Exons	1254..1478, 1455..1526, 1541..1582, 1542..1607, 1671..2072, 1697..1741, 1698..2060, 1859..2074		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o1.ts	Method	TBLASTX:Soybean
Start	1422	End	2162
GI	none	Score	111
Exons	1422..1661, 1689..1808, 1824..2033, 2100..2162		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480

Name	OJ991111_13.0410.C14.o1.tw	Method	TBLASTX:Wheat
Start	1692	End	1976
GI	none	Score	99
Exons	1692..1832, 1850..1936, 1851..1976		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o4.np	Method	AAT/NAP
Start	2621	End	21467
GI	6539570	Score	45
Exons	2621..2754, 5143..5344, 5600..5785, 8171..8264, 18734..18959, 20682..20741, 21385..21467		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o2.gs	Method	GENSCAN
Start	5063	End	5437
GI	none	Score	.75
Exons	5063..5437		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o3.gs	Method	GENSCAN
Start	6731	End	16642
GI	none	Score	.48
Exons	6731..6820, 7584..7641, 7882..7927, 8043..8161, 8163..8484, 11336..11431, 11814..11999, 14591..14675, 16260..16401, 16590..16642		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o1.gp	Method	AAT/GAP
Start	16640	End	17063
GI	LIB3479-006-Q6-K1-B11	Score	618
Exons	16640..17063		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o6.np	Method	AAT/NAP
Start	16859	End	20613
GI	5922620	Score	466
Exons	16859..16990, 18326..18684, 18940..18982, 20576..20613		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14

Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o2.gp	Method	AAT/GAP
Start	19874	End	20253
GI	uC-osf1cyp033a04b1	Score	633
Exons	19874..20253		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o5.gs	Method	GENSCAN
Start	20692	End	23480
GI	none	Score	.74
Exons	20692..20796, 21034..21147, 21238..21342, 21348..22025, 23403..23480		

Seq. No.	40664	Seq. ID	OJ991111_13.0410.C14
Gene No.	84214	Strand	-
Start	2621	End	23480
Name	OJ991111_13.0410.C14.o8.np	Method	AAT/NAP
Start	20695	End	22151
GI	6907087	Score	621
Exons	20695..20796, 21348..22027, 22073..22151		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40665	Seq. ID	OJ991111_13.0410.C15
Gene No.	84215	Strand	+
Start	847	End	1827
Name	OJ991111_13.0410.C15.o1.gs	Method	GENSCAN
Start	847	End	1827
GI	none	Score	.92
Exons	847..930, 1396..1827		

Seq. No.	40665	Seq. ID	OJ991111_13.0410.C15
Gene No.	84216	Strand	+
Start	3142	End	5056
Name	OJ991111_13.0410.C15.o1.np	Method	AAT/NAP
Start	3142	End	5056
GI	6630699	Score	115
Exons	3142..3399, 4970..5056		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	40665	Seq. ID	OJ991111_13.0410.C15
Gene No.	84217	Strand	-
Start	4115	End	8745
Name	OJ991111_13.0410.C15.o1.gp	Method	AAT/GAP
Start	3141	End	3461
GI	uC-osf1M202037g01b1	Score	472
Exons	3141..3461		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 8.0e-12 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	40665	Seq. ID	OJ991111_13.0410.C15
Gene No.	84217	Strand	-
Start	4115	End	8745
Name	OJ991111_13.0410.C15.o2.gs	Method	GENSCAN
Start	4115	End	8745
GI	none	Score	.62
Exons	4115..4323, 4623..4647, 4693..4871, 4880..5033, 6982..7021, 7500..7639, 8251..8291, 8712..8745		

Seq. No.	40665	Seq. ID	OJ991111_13.0410.C15
Gene No.	84217	Strand	-
Start	4115	End	8745
Name	OJ991111_13.0410.C15.o2.np	Method	AAT/NAP
Start	5195	End	6965
GI	5922620	Score	175
Exons	5195..5328, 6938..6965		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84218	Strand	+
Start	2282	End	3721
Name	OJ991111_13.0410.C16.o1.np	Method	AAT/NAP
Start	2282	End	3721
GI	7489509	Score	1484
Exons	2282..3721		
GI Descrip.	NBS-LRR type resistance protein - rice (fragment) gi|2792238|gb|AAB96994.1| (AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84219	Strand	-
Start	12312	End	14041
Name	OJ991111_13.0410.C16.o1.tm	Method	TBLASTX:Maize
Start	2306	End	3106
GI	none	Score	94
Exons	2306..2515, 2576..2638, 2699..2866, 2726..2866, 2869..2991, 2873..3106		

Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84219	Strand	-
Start	12312	End	14041
Name	OJ991111_13.0410.C16.o2.tm	Method	TBLASTX:Maize
Start	3146	End	3685
GI	none	Score	268
Exons	3146..3685, 3373..3684		

Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84219	Strand	-
Start	12312	End	14041
Name	OJ991111_13.0410.C16.o2.np	Method	AAT/NAP
Start	11985	End	13900
GI	6907106	Score	343

Exons	11985..12230, 12265..12428, 13864..13900		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84219	Strand	-
Start	12312	End	14041
Name	OJ991111_13.0410.C16.o3.tm	Method	TBLASTX:Maize
Start	12081	End	12374
GI	none	Score	53
Exons	12081..12128, 12082..12129, 12086..12214, 12086..12214, 12195..12254, 12203..12331, 12229..12264, 12230..12265, 12233..12268, 12255..12338, 12255..12299, 12257..12331, 12282..12371, 12282..12374		
Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84219	Strand	-
Start	12312	End	14041
Name	OJ991111_13.0410.C16.o3.gs	Method	GENSCAN
Start	12312	End	14041
GI	none	Score	.66
Exons	12312..12427, 12474..12603, 13727..13772, 13900..14041		
Seq. No.	40666	Seq. ID	OJ991111_13.0410.C16
Gene No.	84219	Strand	-
Start	12312	End	14041
Name	OJ991111_13.0410.C16.o4.tm	Method	TBLASTX:Maize
Start	13862	End	14023
GI	none	Score	184
Exons	13862..13906, 13869..13916, 13902..13925, 13904..14023, 13905..14012		
Seq. No.	40667	Seq. ID	OJ991111_13.0410.C17
Gene No.	84220	Strand	-
Start	102	End	2361
Name	OJ991111_13.0410.C17.o1.gs	Method	GENSCAN
Start	102	End	2361
GI	none	Score	.56
Exons	102..297, 2013..2101, 2353..2361		
Seq. No.	40668	Seq. ID	OJ991111_13.0410.C18
Gene No.	84221	Strand	+
Start	333	End	490
Name	OJ991111_13.0410.C18.o1.gs	Method	GENSCAN
Start	333	End	490
GI	none	Score	.54
Exons	333..490		
Seq. No.	40669	Seq. ID	OJ991021_03.0413.C4
Gene No.	84222	Strand	-
Start	319	End	636
Name	OJ991021_03.0413.C4.o1.gs	Method	GENSCAN
Start	319	End	636
GI	none	Score	.49
Exons	319..409, 497..636		
Seq. No.	40670	Seq. ID	OJ991021_03.0413.C8

Gene No.	84223	Strand	+
Start	250	End	622
Name	OJ991021_03.0413.C8.o1.gs	Method	GENSCAN
Start	250	End	622
GI	none	Score	.52
Exons	250..622		

Seq. No.	40671	Seq. ID	OJ991021_03.0413.C9
Gene No.	84224	Strand	+
Start	1	End	708
Name	OJ991021_03.0413.C9.o1.np	Method	AAT/NAP
Start	1	End	708
GI	5732048	Score	389
Exons	1..708		
GI Descrip.	(AF147262) contains similarity to the Pfam family PF00646 - F-box domain; score=10.1, E=1.2, N=1 [Arabidopsis thaliana]		

Seq. No.	40671	Seq. ID	OJ991021_03.0413.C9
Gene No.	84224	Strand	+
Start	1	End	708
Name	OJ991021_03.0413.C9.o1.ts	Method	TBLASTX:Soybean
Start	30	End	707
GI	none	Score	56
Exons	30..83, 183..341, 389..691, 390..707		

Seq. No.	40671	Seq. ID	OJ991021_03.0413.C9
Gene No.	84224	Strand	+
Start	1	End	708
Name	OJ991021_03.0413.C9.o2.tm	Method	TBLASTX:Maize
Start	183	End	428
GI	none	Score	310
Exons	183..428, 201..326, 383..427		

Seq. No.	40671	Seq. ID	OJ991021_03.0413.C9
Gene No.	84224	Strand	+
Start	1	End	708
Name	OJ991021_03.0413.C9.o1.tm	Method	TBLASTX:Maize
Start	429	End	708
GI	none	Score	100
Exons	429..494, 431..487, 482..706, 488..547, 495..707, 496..708		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84225	Strand	+
Start	1799	End	3143
Name	OJ991021_03.0413.C11.o2.np	Method	AAT/NAP
Start	1799	End	3143
GI	6630699	Score	73
Exons	1799..1847, 3066..3143		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84226	Strand	+
Start	3280	End	4884
Name	OJ991021_03.0413.C11.o3.np	Method	AAT/NAP
Start	3280	End	4884

GI	6539570	Score	184
Exons	3280..3493, 3696..3799, 4713..4884		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84227	Strand	-
Start	24	End	2214
Name	OJ991021_03.0413.C11.o1.gs	Method	GENSCAN
Start	24	End	2199
GI	none	Score	.9
Exons	24..154, 250..1354, 1422..1455, 1461..1727, 1832..1983, 2089..2199		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84227	Strand	-
Start	24	End	2214
Name	OJ991021_03.0413.C11.o1.np	Method	AAT/NAP
Start	27	End	2214
GI	1621467	Score	1121
Exons	27..154, 250..1359, 1483..1727, 1832..1983, 2089..2214		
GI Descrip.	(U73106) laccase [Liriodendron tulipifera]		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o2.tc	Method	TBLASTX:Cress
Start	21	End	394
GI	none	Score	90
Exons	21..155, 246..389, 248..394		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o1.tm	Method	TBLASTX:Maize
Start	24	End	661
GI	none	Score	106
Exons	24..155, 28..156, 246..428, 248..436, 428..493, 447..494, 530..661		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o2.ts	Method	TBLASTX:Soybean
Start	24	End	422
GI	none	Score	95
Exons	24..155, 28..156, 246..422, 248..421		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o2.tw	Method	TBLASTX:Wheat
Start	898	End	1240
GI	none	Score	131
Exons	898..1044, 1029..1229, 1034..1240, 1034..1231		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-

Start	3280	End	4620
Name	OJ991021_03.0413.C11.o3.ts	Method	TBLASTX:Soybean
Start	914	End	1357
GI	none	Score	111
Exons	914..949, 1047..1250, 1049..1240, 1229..1357, 1257..1310		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o3.tm	Method	TBLASTX:Maize
Start	1047	End	1357
GI	none	Score	95
Exons	1047..1226, 1049..1240, 1247..1357, 1254..1313		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o1.tc	Method	TBLASTX:Cress
Start	1481	End	1983
GI	none	Score	179
Exons	1481..1519, 1544..1726, 1560..1727, 1831..1983, 1832..1966		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o1.tw	Method	TBLASTX:Wheat
Start	1481	End	1726
GI	none	Score	153
Exons	1481..1726, 1482..1703		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o2.tm	Method	TBLASTX:Maize
Start	1484	End	1908
GI	none	Score	228
Exons	1484..1726, 1485..1727, 1588..1728, 1831..1908, 1832..1894		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o1.ts	Method	TBLASTX:Soybean
Start	1502	End	1983
GI	none	Score	203
Exons	1502..1726, 1533..1727, 1831..1920, 1832..1891, 1895..1969, 1909..1983		

Seq. No.	40672	Seq. ID	OJ991021_03.0413.C11
Gene No.	84228	Strand	-
Start	3280	End	4620
Name	OJ991021_03.0413.C11.o2.gs	Method	GENSCAN
Start	3280	End	4620
GI	none	Score	.47
Exons	3280..3576, 4307..4400, 4523..4620		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+

Start	5724	End	13110
Name	OJ991021_03.0413.C12.o4.tm	Method	TBLASTX:Maize
Start	1424	End	1576
GI	none	Score	182
Exons	1424..1576, 1425..1574		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o2.tw	Method	TBLASTX:Wheat
Start	2222	End	2553
GI	none	Score	433
Exons	2222..2545, 2227..2544, 2368..2553		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o1.np	Method	AAT/NAP
Start	5724	End	11507
GI	4680203	Score	1584
Exons	5724..5792, 7245..8879, 9036..9243, 9520..10367, 11483..11507		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o3.tw	Method	TBLASTX:Wheat
Start	7623	End	8216
GI	none	Score	225
Exons	7623..7913, 7625..7915, 7971..8087, 7995..8093, 8091..8216, 8108..8215		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o1.ts	Method	TBLASTX:Soybean
Start	7641	End	7939
GI	none	Score	294
Exons	7641..7913, 7658..7939		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o2.ts	Method	TBLASTX:Soybean
Start	7956	End	8240
GI	none	Score	224
Exons	7956..8240, 7991..8230		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o1.tc	Method	TBLASTX:Cress
Start	7962	End	8312
GI	none	Score	273
Exons	7962..8312, 8066..8116, 8150..8257		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12

Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o2.tm	Method	TBLASTX:Maize
Start	8081	End	8345
GI	none	Score	251
Exons	8081..8293, 8091..8345		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o4.tw	Method	TBLASTX:Wheat
Start	8262	End	8504
GI	none	Score	117
Exons	8262..8360, 8264..8359, 8406..8504, 8417..8488		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o1.tm	Method	TBLASTX:Maize
Start	9108	End	9492
GI	none	Score	132
Exons	9108..9305, 9117..9491, 9131..9379, 9178..9492		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o1.tw	Method	TBLASTX:Wheat
Start	9166	End	10266
GI	none	Score	486
Exons	9166..9849, 9186..9314, 9364..9669, 9381..9761, 9858..10040, 9868..10056, 10044..10163, 10051..10149, 10165..10266, 10167..10259		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o2.tc	Method	TBLASTX:Cress
Start	9424	End	9849
GI	none	Score	270
Exons	9424..9849, 9432..9761		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o3.tm	Method	TBLASTX:Maize
Start	9742	End	10032
GI	none	Score	127
Exons	9742..9912, 9744..9911, 9924..10031, 9925..10032		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o3.ts	Method	TBLASTX:Soybean
Start	10113	End	10326
GI	none	Score	184
Exons	10113..10295, 10114..10326		

Seq. No.	40673	Seq. ID	OJ991021_03.0413.C12
Gene No.	84229	Strand	+
Start	5724	End	13110
Name	OJ991021_03.0413.C12.o2.np	Method	AAT/NAP
Start	10898	End	13110
GI	4680204	Score	203
Exons	10898..10980, 12061..13110		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84230	Strand	+
Start	625	End	2438
Name	OJ991021_03.0413.C13.o1.gs	Method	GENSCAN
Start	625	End	2438
GI	none	Score	.55
Exons	625..877, 1282..1533, 1992..2037, 2172..2438		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84231	Strand	+
Start	8143	End	10350
Name	OJ991021_03.0413.C13.o3.gs	Method	GENSCAN
Start	8143	End	10350
GI	none	Score	1
Exons	8143..10350		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84231	Strand	+
Start	8143	End	10350
Name	OJ991021_03.0413.C13.o1.np	Method	AAT/NAP
Start	8152	End	10320
GI	1707007	Score	1670
Exons	8152..10320		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84232	Strand	+
Start	25629	End	28446
Name	OJ991021_03.0413.C13.o6.gs	Method	GENSCAN
Start	25629	End	28446
GI	none	Score	.82
Exons	25629..25741, 28296..28446		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84233	Strand	+
Start	28413	End	28742
Name	OJ991021_03.0413.C13.o1.gp	Method	AAT/GAP
Start	28413	End	28742
GI	2311342	Score	584
Exons	28413..28742		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84234	Strand	+
Start	30853	End	32524
Name	OJ991021_03.0413.C13.o7.gs	Method	GENSCAN
Start	30853	End	32524
GI	none	Score	.74
Exons	30853..30922, 32048..32235, 32393..32524		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84235	Strand	-
Start	10983	End	18426
Name	OJ991021_03.0413.C13.o4.gs	Method	GENSCAN
Start	10983	End	18423
GI	none	Score	.52
Exons	10983..11109, 13201..13288, 13290..13401, 14092..14184, 14470..14602, 14705..16313, 16880..17009, 17359..17777, 18084..18132, 18277..18423		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84235	Strand	-
Start	10983	End	18426
Name	OJ991021_03.0413.C13.o2.np	Method	AAT/NAP
Start	15079	End	16161
GI	4926870	Score	504
Exons	15079..16161		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84235	Strand	-
Start	10983	End	18426
Name	OJ991021_03.0413.C13.o3.np	Method	AAT/NAP
Start	17329	End	18426
GI	4127370	Score	591
Exons	17329..17777, 18084..18132, 18277..18426		
GI Descrip.	(AJ010453) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84236	Strand	-
Start	19717	End	23979
Name	OJ991021_03.0413.C13.o5.gs	Method	GENSCAN
Start	19717	End	23979
GI	none	Score	.47
Exons	19717..19851, 20567..20595, 23227..23286, 23880..23979		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o2.ts	Method	TBLASTX:Soybean
Start	8593	End	9696
GI	none	Score	127
Exons	8593..8781, 8788..9153, 8796..9089, 9085..9459, 9087..9458, 9391..9696		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o1.tm	Method	TBLASTX:Maize
Start	8596	End	10242
GI	none	Score	105
Exons	8596..8781, 8605..8775, 8614..8778, 8617..8787, 8683..8775, 8818..9090, 8848..9090, 8848..9084, 8856..9089, 8857..9189, 8877..9188, 8989..9381, 9075..9185, 9096..9392, 9097..9492, 9097..9393, 9292..9492, 9361..9729, 9369..9695, 9399..9881,		

9400..10242, 9523..9711

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o1.tw	Method	TBLASTX:Wheat
Start	8599	End	9833
GI	none	Score	123
Exons	8599..8778, 8797..9138, 8799..9161, 9054..9161, 9055..9471, 9226..9315, 9358..9828, 9399..9833		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o1.tc	Method	TBLASTX:Cress
Start	9010	End	10206
GI	none	Score	76
Exons	9010..9183, 9538..9567, 9619..10206		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o1.ts	Method	TBLASTX:Soybean
Start	9706	End	10227
GI	none	Score	355
Exons	9706..10227, 9738..9944		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o6.tm	Method	TBLASTX:Maize
Start	15604	End	15864
GI	none	Score	61
Exons	15604..15744, 15653..15739, 15796..15864, 15797..15847		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o4.ts	Method	TBLASTX:Soybean
Start	15703	End	16089
GI	none	Score	177
Exons	15703..15801, 15778..16089		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o3.tw	Method	TBLASTX:Wheat
Start	15844	End	16119
GI	none	Score	115
Exons	15844..16119, 15881..16057		

Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o3.tm	Method	TBLASTX:Maize
Start	15872	End	16170
GI	none	Score	123

Exons	15872..16168, 15877..16170		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o2.tm	Method	TBLASTX:Maize
Start	17327	End	18447
GI	none	Score	189
Exons	17327..17605, 17327..17596, 17329..17625, 17341..17625, 17493..17636, 17602..17778, 17603..17779, 18085..18132, 18277..18447, 18278..18439		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o2.tw	Method	TBLASTX:Wheat
Start	17344	End	18327
GI	none	Score	164
Exons	17344..17745, 17344..17748, 17738..17779, 17743..17778, 18085..18132, 18277..18327		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o3.ts	Method	TBLASTX:Soybean
Start	29590	End	32624
GI	none	Score	148
Exons	29590..29664, 29615..29785, 29653..29805, 29753..29803, 29810..29860, 30052..30141, 30072..30119, 30120..30176, 30121..30189, 30122..30175, 31359..31424, 31360..31440, 31496..31615, 31501..31617, 32568..32624		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o4.tw	Method	TBLASTX:Wheat
Start	29590	End	29805
GI	none	Score	53
Exons	29590..29664, 29591..29656, 29630..29776, 29653..29805		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o4.tm	Method	TBLASTX:Maize
Start	29590	End	32624
GI	none	Score	57
Exons	29590..29664, 29615..29656, 29653..29805, 29657..29785, 29753..29803, 29810..29860, 30072..30119, 30073..30120, 30108..30176, 30120..30176, 31359..31424, 31360..31449, 31496..31615, 31498..31617, 32568..32624		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o2.tc	Method	TBLASTX:Cress
Start	29617	End	32925
GI	none	Score	158

Exons	29617..29664, 29630..29785, 29653..29805, 29753..29803, 29810..29860, 30049..30120, 30072..30119, 30120..30176, 30125..30175, 31359..31424, 31360..31440, 31360..31440, 31496..31615, 31501..31617, 32872..32925		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o4.np	Method	AAT/NAP
Start	29736	End	34367
GI	1351856	Score	342
Exons	29736..29891, 30030..30226, 31341..31439, 31483..31617, 32571..32712, 32870..32922, 33248..33298, 34335..34367		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi|868003|dbj|BAA06108| (D29629) aconitase [Cucurbita sp.]		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o8.gs	Method	GENSCAN
Start	33633	End	35780
GI	none	Score	1
Exons	33633..35780		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o5.np	Method	AAT/NAP
Start	34604	End	36265
GI	5420387	Score	254
Exons	34604..34865, 35298..35769, 36246..36265		
GI Descrip.	(AJ243459) proteophosphoglycan [Leishmania major]		
Seq. No.	40674	Seq. ID	OJ991021_03.0413.C13
Gene No.	84237	Strand	-
Start	29736	End	36265
Name	OJ991021_03.0413.C13.o5.tm	Method	TBLASTX:Maize
Start	34965	End	35181
GI	none	Score	138
Exons	34965..35108, 34965..35108, 34966..35127, 35113..35181, 35118..35180		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84238	Strand	+
Start	906	End	2791
Name	OJ991021_03.0413.C14.o1.gs	Method	GENSCAN
Start	906	End	2791
GI	none	Score	.49
Exons	906..1231, 1726..2519, 2625..2791		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84239	Strand	+
Start	3699	End	5297
Name	OJ991021_03.0413.C14.o1.np	Method	AAT/NAP
Start	3699	End	5244
GI	6997177	Score	847

Exons	3699..3784, 4062..5244		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84239	Strand	+
Start	3699	End	5297
Name	OJ991021_03.0413.C14.o2.gs	Method	GENSCAN
Start	3923	End	5297
GI	none	Score	.57
Exons	3923..4112, 4771..5297		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84240	Strand	-
Start	6229	End	6353
Name	OJ991021_03.0413.C14.o2.tw	Method	TBLASTX:Wheat
Start	4123	End	4502
GI	none	Score	46
Exons	4123..4170, 4179..4502, 4187..4480		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84240	Strand	-
Start	6229	End	6353
Name	OJ991021_03.0413.C14.o2.tm	Method	TBLASTX:Maize
Start	4170	End	4574
GI	none	Score	288
Exons	4170..4574, 4178..4405		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84240	Strand	-
Start	6229	End	6353
Name	OJ991021_03.0413.C14.o1.tm	Method	TBLASTX:Maize
Start	4592	End	5072
GI	none	Score	44
Exons	4592..4627, 4593..4631, 4632..4967, 4641..4742, 4649..4894, 4964..5005, 4965..5027, 5007..5072		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84240	Strand	-
Start	6229	End	6353
Name	OJ991021_03.0413.C14.o1.tw	Method	TBLASTX:Wheat
Start	4646	End	5060
GI	none	Score	185
Exons	4646..4813, 4647..4823, 4659..4832, 4833..5060, 4833..5060		
Seq. No.	40675	Seq. ID	OJ991021_03.0413.C14
Gene No.	84240	Strand	-
Start	6229	End	6353
Name	OJ991021_03.0413.C14.o1.gp	Method	AAT/GAP
Start	6229	End	6353
GI	288_16.R1084	Score	207
Exons	6229..6353		
GI Descrip.	'1658313/emb|CAA70174| 4.0e-18 (Y08987) osr40g2 [Oryza sativa]'		
Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84241	Strand	+
Start	3001	End	3168
Name	OJ991021_03.0413.C15.o2.gs	Method	GENSCAN

Start	3001	End	3168
GI	none	Score	.82
Exons	3001..3168		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84242	Strand	+
Start	5336	End	5636
Name	OJ991021_03.0413.C15.o1.gp	Method	AAT/GAP
Start	5336	End	5636
GI	61605_3.R1084	Score	446
Exons	5336..5636		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84243	Strand	+
Start	5695	End	7633
Name	OJ991021_03.0413.C15.o4.gs	Method	GENSCAN
Start	5695	End	7633
GI	none	Score	.65
Exons	5695..5776, 5843..5918, 6149..6273, 7086..7633		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84244	Strand	-
Start	3653	End	4562
Name	OJ991021_03.0413.C15.o3.gs	Method	GENSCAN
Start	3653	End	4562
GI	none	Score	.73
Exons	3653..4155, 4379..4562		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o1.tm	Method	TBLASTX:Maize
Start	9126	End	9899
GI	none	Score	186
Exons	9126..9155, 9135..9335, 9140..9337, 9197..9490, 9238..9504, 9492..9899, 9511..9897		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o1.np	Method	AAT/NAP
Start	9232	End	12336
GI	4416302	Score	3323
Exons	9232..12336		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o1.tc	Method	TBLASTX:Cress
Start	9253	End	9707
GI	none	Score	75
Exons	9253..9480, 9305..9472, 9507..9617, 9621..9707		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15

Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o2.ts	Method	TBLASTX:Soybean
Start	9262	End	9890
GI	none	Score	69
Exons	9262..9474, 9299..9466, 9492..9890, 9507..9878, 9514..9885		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o5.gs	Method	GENSCAN
Start	9447	End	13113
GI	none	Score	.62
Exons	9447..10259, 10589..11094, 11149..11889, 12234..12393, 12493..12548, 12652..13113		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o4.tw	Method	TBLASTX:Wheat
Start	9654	End	10085
GI	none	Score	102
Exons	9654..9911, 9924..10085		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o3.tm	Method	TBLASTX:Maize
Start	10023	End	10454
GI	none	Score	306
Exons	10023..10454, 10024..10446, 10154..10447		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o1.ts	Method	TBLASTX:Soybean
Start	10261	End	10873
GI	5509260	Score	228
Exons	10261..10545, 10261..10524, 10266..10544, 10269..10559, 10547..10873, 10557..10778		
GI Descrip.	-		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o1.tw	Method	TBLASTX:Wheat
Start	10269	End	10744
GI	none	Score	90
Exons	10269..10445, 10275..10547, 10276..10545, 10289..10549, 10488..10547, 10517..10609, 10541..10621, 10548..10616, 10622..10648, 10628..10657, 10655..10744		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o4.tm	Method	TBLASTX:Maize
Start	10575	End	10888

GI	none	Score	93
Exons	10575..10649, 10577..10651, 10605..10868, 10640..10888		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o2.tm	Method	TBLASTX:Maize
Start	10889	End	11749
GI	none	Score	58
Exons	10889..11047, 10950..11051, 10961..10999, 11059..11304, 11060..11128, 11060..11677, 11089..11211, 11100..11678, 11156..11713, 11677..11742, 11678..11749		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o5.tw	Method	TBLASTX:Wheat
Start	10985	End	11323
GI	none	Score	48
Exons	10985..11074, 10995..11048, 11099..11242, 11100..11204, 11240..11323		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o3.ts	Method	TBLASTX:Soybean
Start	11108	End	11569
GI	none	Score	53
Exons	11108..11569, 11124..11312, 11391..11540		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o2.tc	Method	TBLASTX:Cress
Start	11111	End	11527
GI	none	Score	194
Exons	11111..11527		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o2.tw	Method	TBLASTX:Wheat
Start	11411	End	11984
GI	none	Score	135
Exons	11411..11698, 11420..11698, 11738..11863, 11757..11858, 11930..11983, 11940..11984		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o6.tm	Method	TBLASTX:Maize
Start	11756	End	12121
GI	none	Score	68
Exons	11756..11863, 11757..11870, 11771..12010, 11805..12020, 11821..12024, 11939..12025, 12025..12105, 12026..12121		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15

Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o3.tw	Method	TBLASTX:Wheat
Start	12055	End	12372
GI	none	Score	96
Exons	12055..12372, 12137..12358		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o5.tm	Method	TBLASTX:Maize
Start	12124	End	12508
GI	none	Score	86
Exons	12124..12387, 12155..12283, 12311..12376, 12414..12506, 12416..12508		

Seq. No.	40676	Seq. ID	OJ991021_03.0413.C15
Gene No.	84245	Strand	-
Start	9447	End	13203
Name	OJ991021_03.0413.C15.o2.np	Method	AAT/NAP
Start	12407	End	13203
GI	4416301	Score	89
Exons	12407..12544, 13168..13203		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	40677	Seq. ID	OJ991021_03.0413.C16
Gene No.	84246	Strand	+
Start	1	End	3760
Name	OJ991021_03.0413.C16.o2.np	Method	AAT/NAP
Start	1	End	3120
GI	6721516	Score	563
Exons	1..53, 1417..1661, 2072..2386, 2944..3120		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	40677	Seq. ID	OJ991021_03.0413.C16
Gene No.	84246	Strand	+
Start	1	End	3760
Name	OJ991021_03.0413.C16.o3.np	Method	AAT/NAP
Start	1	End	3760
GI	6907087	Score	249
Exons	1..49, 1662..1808, 2910..3118, 3659..3760		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40677	Seq. ID	OJ991021_03.0413.C16
Gene No.	84247	Strand	-
Start	56	End	4492
Name	OJ991021_03.0413.C16.o1.gs	Method	GENSCAN
Start	56	End	4475
GI	none	Score	.74
Exons	56..1267, 1619..1751, 2748..2826, 3022..3391, 3722..3759, 4451..4475		

Seq. No.	40677	Seq. ID	OJ991021_03.0413.C16
Gene No.	84247	Strand	-
Start	56	End	4492

Name	OJ991021_03.0413.C16.o1.ts	Method	TBLASTX:Soybean
Start	320	End	1195
GI	none	Score	83
Exons	320..367, 443..586, 677..1009, 1073..1195		

Seq. No.	40677	Seq. ID	OJ991021_03.0413.C16
Gene No.	84247	Strand	-
Start	56	End	4492
Name	OJ991021_03.0413.C16.o1.tw	Method	TBLASTX:Wheat
Start	773	End	1162
GI	none	Score	37
Exons	773..1015, 912..956, 1028..1162, 1073..1156		

Seq. No.	40677	Seq. ID	OJ991021_03.0413.C16
Gene No.	84247	Strand	-
Start	56	End	4492
Name	OJ991021_03.0413.C16.o4.np	Method	AAT/NAP
Start	4157	End	4492
GI	4680186	Score	193
Exons	4157..4356, 4420..4492		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40678	Seq. ID	OJ991021_03.0413.C17
Gene No.	84248	Strand	+
Start	1	End	3251
Name	OJ991021_03.0413.C17.o1.np	Method	AAT/NAP
Start	1	End	2222
GI	6721516	Score	153
Exons	1..44, 776..1076, 2174..2222		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	40678	Seq. ID	OJ991021_03.0413.C17
Gene No.	84248	Strand	+
Start	1	End	3251
Name	OJ991021_03.0413.C17.o1.gs	Method	GENSCAN
Start	928	End	3251
GI	none	Score	.53
Exons	928..1085, 3062..3251		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84249	Strand	+
Start	256	End	5906
Name	OJ991021_03.0413.C18.o1.gs	Method	GENSCAN
Start	256	End	5906
GI	none	Score	.61
Exons	256..446, 991..1126, 1250..1701, 2527..3120, 3254..3504, 3592..3721, 4011..4069, 4522..4560, 5765..5906		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84249	Strand	+
Start	256	End	5906
Name	OJ991021_03.0413.C18.o1.np	Method	AAT/NAP
Start	1219	End	4702
GI	5902407	Score	1844
Exons	1219..1701, 2527..3120, 3254..3504, 3592..3721, 4011..4069, 4522..4702		
GI Descrip.	(AC008148) Similar to asparaginyl-tRNA synthetases [Arabidopsis		

thaliana]

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84249	Strand	+
Start	256	End	5906
Name	OJ991021_03.0413.C18.o1.gp	Method	AAT/GAP
Start	1549	End	3015
GI	20754_1.R1084	Score	1186
Exons	1549..1701, 2527..3015		
GI Descrip.	'5902407/gb|AAD55509.1|AC008148_19 6.0e-74 (AC008148) Similar to asparaginyl-tRNA synthetases [Arabidopsis thaliana]'		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84249	Strand	+
Start	256	End	5906
Name	OJ991021_03.0413.C18.o2.gp	Method	AAT/GAP
Start	3388	End	4944
GI	98611_1.R1084	Score	1361
Exons	3388..3503, 3590..3721, 4011..4069, 4522..4944		
GI Descrip.	'5670315/gb|AAD46681.1|AF170909_1 1.0e-65 (AF170909) SYNC1 protein [Arabidopsis thaliana]'		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o2.tm	Method	TBLASTX:Maize
Start	1300	End	2838
GI	none	Score	192
Exons	1300..1431, 1318..1437, 1402..1602, 1404..1568, 1552..1656, 1630..1704, 1639..1716, 2505..2831, 2514..2837, 2527..2838, 2527..2838		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o1.tc	Method	TBLASTX:Cress
Start	1342	End	2982
GI	none	Score	235
Exons	1342..1596, 1383..1559, 1555..1704, 2307..2414, 2522..2701, 2526..2702, 2526..2912, 2527..2913, 2907..2975, 2908..2982		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o1.ts	Method	TBLASTX:Soybean
Start	1342	End	3451
GI	none	Score	406
Exons	1342..1704, 1383..1568, 2526..2771, 2527..3120, 2542..3126, 2562..3122, 2978..3127, 3238..3426, 3246..3440, 3247..3339, 3248..3451, 3251..3439		

Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o1.tm	Method	TBLASTX:Maize
Start	2839	End	4927
GI	none	Score	432

Exons	2839..3120, 2849..3121, 2868..3122, 3251..3511, 3253..3510, 3589..3723, 3590..3724, 3590..3736, 4002..4070, 4008..4076, 4508..4708, 4519..4701, 4521..4715, 4820..4927		
Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o2.tc	Method	TBLASTX:Cress
Start	2985	End	4753
GI	none	Score	61
Exons	2985..3038, 2986..3117, 2988..3110, 3238..3510, 3254..3511, 3586..3723, 3587..3739, 4002..4103, 4504..4716, 4508..4753		
Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o1.tw	Method	TBLASTX:Wheat
Start	3443	End	4716
GI	none	Score	65
Exons	3443..3511, 3448..3507, 3619..3723, 3620..3724, 4005..4106, 4520..4708, 4558..4716		
Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o2.ts	Method	TBLASTX:Soybean
Start	3458	End	4705
GI	none	Score	84
Exons	3458..3511, 3466..3510, 3589..3723, 3590..3724, 4000..4068, 4002..4070, 4008..4067, 4508..4705, 4519..4701		
Seq. No.	40679	Seq. ID	OJ991021_03.0413.C18
Gene No.	84250	Strand	+
Start	6824	End	7506
Name	OJ991021_03.0413.C18.o2.gs	Method	GENSCAN
Start	6824	End	7506
GI	none	Score	.41
Exons	6824..6881, 7274..7506		
Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84251	Strand	+
Start	1	End	3910
Name	OJ991021_03.0413.C19.o1.np	Method	AAT/NAP
Start	1	End	3910
GI	6069646	Score	370
Exons	1..26, 3077..3910		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o3.tm	Method	TBLASTX:Maize
Start	3367	End	3818

GI	none	Score	36
Exons	3367..3399, 3429..3518, 3460..3513, 3519..3671, 3534..3629, 3720..3818		

Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o1.gp	Method	AAT/GAP
Start	5058	End	6659
GI	3135073	Score	3100
Exons	5058..6659		
GI Descrip.	3135074/emb|CAA69252| 0.0e+00 (Y07955) anthocyanidin synthase [Oryza sativa]		

Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o2.np	Method	AAT/NAP
Start	5110	End	6234
GI	7433187	Score	1903
Exons	5110..6234		
GI Descrip.	leucoanthocyanidin dioxygenase (EC 1.14.11.-) - rice gi|3135074|emb|CAA69252.1| (Y07955) anthocyanidin synthase [Oryza sativa]		

Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o1.tc	Method	TBLASTX:Cress
Start	5128	End	6177
GI	none	Score	83
Exons	5128..5214, 5359..5739, 5755..6105, 5778..6053, 6127..6177		

Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o2.tm	Method	TBLASTX:Maize
Start	5128	End	5442
GI	none	Score	165
Exons	5128..5289, 5151..5186, 5262..5288, 5352..5369, 5359..5442, 5359..5430		

Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o1.ts	Method	TBLASTX:Soybean
Start	5128	End	6108
GI	none	Score	72
Exons	5128..5223, 5365..5637, 5752..6078, 5790..6047, 6061..6108		

Seq. No.	40680	Seq. ID	OJ991021_03.0413.C19
Gene No.	84252	Strand	+
Start	5058	End	6659
Name	OJ991021_03.0413.C19.o1.tm	Method	TBLASTX:Maize
Start	5752	End	6156
GI	none	Score	519
Exons	5752..6111, 5752..5898, 5775..6050, 6127..6156		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84253	Strand	+
Start	3780	End	4178
Name	OJ991021_03.0413.C20.o1.gp	Method	AAT/GAP
Start	3780	End	4178
GI	101781_1.R1084	Score	670
Exons	3780..4178		
GI Descrip.	'3135074/emb|CAA69252| 0.0e+00 (Y07955) anthocyanidin synthase [Oryza sativa]'		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84254	Strand	-
Start	1025	End	2589
Name	OJ991021_03.0413.C20.o1.gs	Method	GENSCAN
Start	1025	End	2589
GI	none	Score	.94
Exons	1025..1491, 1589..1637, 1750..1930, 2525..2589		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84254	Strand	-
Start	1025	End	2589
Name	OJ991021_03.0413.C20.o1.np	Method	AAT/NAP
Start	1028	End	1899
GI	4127372	Score	553
Exons	1028..1491, 1589..1637, 1750..1899		
GI Descrip.	(AJ010454) glutathione transferase [Alopecurus myosuroides]		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84255	Strand	-
Start	3851	End	3995
Name	OJ991021_03.0413.C20.o1.tc	Method	TBLASTX:Cress
Start	1040	End	1640
GI	none	Score	57
Exons	1040..1105, 1148..1213, 1229..1408, 1448..1492, 1590..1640		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84255	Strand	-
Start	3851	End	3995
Name	OJ991021_03.0413.C20.o1.tm	Method	TBLASTX:Maize
Start	1043	End	1899
GI	none	Score	64
Exons	1043..1126, 1044..1127, 1136..1213, 1140..1214, 1229..1444, 1229..1474, 1422..1505, 1590..1637, 1591..1638, 1750..1899		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84255	Strand	-
Start	3851	End	3995
Name	OJ991021_03.0413.C20.o1.tw	Method	TBLASTX:Wheat
Start	1043	End	1803
GI	none	Score	88
Exons	1043..1126, 1136..1213, 1140..1214, 1229..1297, 1277..1444, 1358..1444, 1442..1492, 1590..1637, 1591..1638, 1750..1803		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84255	Strand	-
Start	3851	End	3995

Name	OJ991021_03.0413.C20.o1.ts	Method	TBLASTX:Soybean
Start	1145	End	1851
GI	none	Score	68
Exons	1145..1213, 1167..1307, 1217..1408, 1451..1504, 1590..1640, 1759..1851		

Seq. No.	40681	Seq. ID	OJ991021_03.0413.C20
Gene No.	84255	Strand	-
Start	3851	End	3995
Name	OJ991021_03.0413.C20.o2.gs	Method	GENSCAN
Start	3851	End	3995
GI	none	Score	.41
Exons	3851..3995		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84256	Strand	+
Start	1669	End	5319
Name	OJ991021_03.0413.C24.o1.gs	Method	GENSCAN
Start	1669	End	5319
GI	none	Score	.42
Exons	1669..1871, 1947..2036, 2274..5319		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84256	Strand	+
Start	1669	End	5319
Name	OJ991021_03.0413.C24.o1.np	Method	AAT/NAP
Start	2296	End	4614
GI	6437559	Score	779
Exons	2296..2854, 2969..3339, 3415..4432, 4535..4614		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84256	Strand	+
Start	1669	End	5319
Name	OJ991021_03.0413.C24.o2.np	Method	AAT/NAP
Start	2355	End	4614
GI	6437559	Score	729
Exons	2355..2854, 2969..3339, 3415..4432, 4535..4614		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84256	Strand	+
Start	1669	End	5319
Name	OJ991021_03.0413.C24.o1.gp	Method	AAT/GAP
Start	2946	End	3412
GI	2310280	Score	895
Exons	2946..3412		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o1.tc	Method	TBLASTX:Cress
Start	2287	End	2664
GI	none	Score	171
Exons	2287..2484, 2293..2484, 2461..2664, 2484..2633		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24

Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o2.tm	Method	TBLASTX:Maize
Start	2332	End	2714
GI	none	Score	484
Exons	2332..2697, 2332..2685, 2340..2702, 2352..2714		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o1.ts	Method	TBLASTX:Soybean
Start	2365	End	2601
GI	none	Score	127
Exons	2365..2484, 2393..2461, 2488..2601, 2490..2600		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o2.tw	Method	TBLASTX:Wheat
Start	2416	End	2682
GI	none	Score	52
Exons	2416..2478, 2473..2682, 2523..2651		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o4.tm	Method	TBLASTX:Maize
Start	3769	End	4767
GI	none	Score	118
Exons	3769..3885, 4624..4767, 4627..4764, 4647..4766		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o1.tm	Method	TBLASTX:Maize
Start	3888	End	5061
GI	none	Score	822
Exons	3888..4520, 3898..4521, 3901..4527, 4768..4893, 4924..5061		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o2.tc	Method	TBLASTX:Cress
Start	3970	End	5049
GI	none	Score	198
Exons	3970..4284, 4843..4893, 4906..5049		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o2.ts	Method	TBLASTX:Soybean
Start	4054	End	5289
GI	4396873	Score	102
Exons	4054..4149, 4927..5217, 4935..5147, 5163..5288, 5194..5289		
GI Descrip.	4432867/gb_AAD20715_ 2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o1.tw	Method	TBLASTX:Wheat
Start	4084	End	5301
GI	none	Score	95
Exons	4084..4164, 4954..5172, 4971..5192, 5176..5301, 5187..5300		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o3.tm	Method	TBLASTX:Maize
Start	5064	End	5340
GI	none	Score	196
Exons	5064..5318, 5065..5340, 5078..5320, 5091..5339		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o2.gp	Method	AAT/GAP
Start	7207	End	7266
GI	2338_1.R1084	Score	75
Exons	7207..7266		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 2.0e-40 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	40682	Seq. ID	OJ991021_03.0413.C24
Gene No.	84257	Strand	-
Start	7353	End	9420
Name	OJ991021_03.0413.C24.o2.gs	Method	GENSCAN
Start	7353	End	9420
GI	none	Score	.49
Exons	7353..7483, 7750..7870, 9289..9420		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84258	Strand	+
Start	256	End	5565
Name	OJ991021_03.0413.C25.o1.gs	Method	GENSCAN
Start	256	End	5490
GI	none	Score	.8
Exons	256..290, 734..874, 1129..1464, 1905..2388, 2501..2554, 2901..3039, 3127..3300, 3389..3603, 4075..4339, 4534..4713, 4795..5006, 5164..5490		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84258	Strand	+
Start	256	End	5565
Name	OJ991021_03.0413.C25.o1.gp	Method	AAT/GAP
Start	2050	End	3265
GI	28067_1.R1084	Score	1173
Exons	2050..2388, 2901..3039, 3127..3265		
GI Descrip.	'629881/pir||S40612 5.0e-10 myosin-related protein - slime mold (Physarum polycephalum) >gi_511053_emb_CAA79924_ (Z21878) myosin-related protein [Physarum polycephalum]'		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84258	Strand	+

Start	256	End	5565
Name	OJ991021_03.0413.C25.o1.np	Method	AAT/NAP
Start	2125	End	5565
GI	6729012	Score	1647
Exons	2125..2388, 2901..2958, 3091..3300, 3389..3603, 4075..4339, 4534..4713, 4795..5009, 5164..5410, 5500..5565		
GI Descrip.	(AC016827) putative GTPase [Arabidopsis thaliana]		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84259	Strand	+
Start	6551	End	6964
Name	OJ991021_03.0413.C25.o2.gs	Method	GENSCAN
Start	6551	End	6964
GI	none	Score	.94
Exons	6551..6964		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84260	Strand	+
Start	10369	End	10666
Name	OJ991021_03.0413.C25.o3.gp	Method	AAT/GAP
Start	10369	End	10666
GI	5002971	Score	550
Exons	10369..10666		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84261	Strand	-
Start	5512	End	5672
Name	OJ991021_03.0413.C25.o2.gp	Method	AAT/GAP
Start	5512	End	5672
GI	none	Score	294
Exons	5512..5672		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84262	Strand	-
Start	7352	End	10127
Name	OJ991021_03.0413.C25.o3.gs	Method	GENSCAN
Start	7352	End	8952
GI	none	Score	.44
Exons	7352..7447, 7929..8154, 8248..8326, 8809..8952		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84262	Strand	-
Start	7352	End	10127
Name	OJ991021_03.0413.C25.o2.np	Method	AAT/NAP
Start	7668	End	10127
GI	6523547	Score	390
Exons	7668..8152, 8294..8992, 10060..10127		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o1.tm	Method	TBLASTX:Maize
Start	2172	End	3531
GI	none	Score	150
Exons	2172..2243, 2250..2300, 2254..2337, 2898..3059, 2899..3027,		

3120..3308, 3125..3298, 3127..3300, 3202..3309, 3387..3416, 3388..3423, 3420..3509, 3420..3518, 3421..3531

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o3.ts	Method	TBLASTX:Soybean
Start	2175	End	3308
GI	none	Score	146
Exons	2175..2300, 2248..2337, 2898..2978, 3123..3248, 3126..3308, 3131..3298		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o2.ts	Method	TBLASTX:Soybean
Start	3403	End	4314
GI	none	Score	127
Exons	3403..3492, 3411..3488, 3546..3608, 3547..3606, 4072..4314, 4088..4288, 4143..4301		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o3.tm	Method	TBLASTX:Maize
Start	4152	End	4847
GI	none	Score	197
Exons	4152..4337, 4152..4343, 4153..4344, 4524..4721, 4532..4717, 4779..4847, 4793..4846		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o1.ts	Method	TBLASTX:Soybean
Start	4539	End	5484
GI	none	Score	56
Exons	4539..4598, 4539..4589, 4592..4717, 4605..4721, 4632..4733, 4779..5006, 4793..4978, 4875..5006, 5203..5301, 5365..5484		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o2.tm	Method	TBLASTX:Maize
Start	4947	End	5499
GI	none	Score	86
Exons	4947..5006, 4947..5006, 5141..5416, 5162..5497, 5164..5499, 5452..5490		

Seq. No.	40683	Seq. ID	OJ991021_03.0413.C25
Gene No.	84263	Strand	-
Start	10588	End	10764
Name	OJ991021_03.0413.C25.o3.np	Method	AAT/NAP
Start	10588	End	10764
GI	6681341	Score	98
Exons	10588..10764		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661)		

unknown protein [Arabidopsis thaliana]

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o1.np	Method	AAT/NAP
Start	1	End	2668
GI	6681341	Score	306
Exons	1..49, 674..1190, 2550..2668		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o2.np	Method	AAT/NAP
Start	1	End	7738
GI	3378185	Score	58
Exons	1..38, 3065..3143, 7382..7507, 7680..7738		
GI Descrip.	(AF079173) ORF1 protein [TT virus]		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o1.gs	Method	GENSCAN
Start	674	End	4506
GI	none	Score	.4
Exons	674..1169, 2925..3251, 3607..3652, 4353..4506		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o1.tm	Method	TBLASTX:Maize
Start	674	End	1111
GI	none	Score	214
Exons	674..892, 675..890, 921..1100, 923..1111		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o1.ts	Method	TBLASTX:Soybean
Start	674	End	1183
GI	none	Score	173
Exons	674..871, 684..869, 926..1114, 926..1183, 963..1172		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o1.gp	Method	AAT/GAP
Start	681	End	1005
GI	none	Score	552
Exons	681..1005		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949

Name	OJ991021_03.0413.C26.o1.tw	Method	TBLASTX:Wheat
Start	733	End	1097
GI	none	Score	133
Exons	733..882, 734..892, 735..884, 921..1097, 923..1096		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o2.gp	Method	AAT/GAP
Start	995	End	3218
GI	none	Score	882
Exons	995..1169, 2925..3218		

Seq. No.	40684	Seq. ID	OJ991021_03.0413.C26
Gene No.	84264	Strand	-
Start	1	End	7949
Name	OJ991021_03.0413.C26.o2.gs	Method	GENSCAN
Start	7338	End	7949
GI	none	Score	.85
Exons	7338..7949		

Seq. No.	40685	Seq. ID	OJ991211_65.0317.C1
Gene No.	84265	Strand	-
Start	274	End	629
Name	OJ991211_65.0317.C1.o1.gp	Method	AAT/GAP
Start	274	End	629
GI	572104	Score	327
Exons	274..294, 445..629		

Seq. No.	40685	Seq. ID	OJ991211_65.0317.C1
Gene No.	84265	Strand	-
Start	274	End	629
Name	OJ991211_65.0317.C1.o1.gs	Method	GENSCAN
Start	452	End	491
GI	none	Score	.68
Exons	452..491		

Seq. No.	40686	Seq. ID	OJ991211_65.0317.C3
Gene No.	84266	Strand	+
Start	1	End	429
Name	OJ991211_65.0317.C3.o1.np	Method	AAT/NAP
Start	1	End	429
GI	5777618	Score	89
Exons	1..21, 283..429		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	40686	Seq. ID	OJ991211_65.0317.C3
Gene No.	84266	Strand	+
Start	1	End	429
Name	OJ991211_65.0317.C3.o1.gs	Method	GENSCAN
Start	195	End	410
GI	none	Score	.92
Exons	195..410		

Seq. No.	40686	Seq. ID	OJ991211_65.0317.C3
Gene No.	84267	Strand	+
Start	330	End	411

Name	OJ991211_65.0317.C3.o1.gp	Method	AAT/GAP
Start	330	End	411
GI	1632536	Score	146
Exons	330..411		
GI Descrip.	5777618/emb|CAB53479.1| 5.0e-17 (AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84268	Strand	+
Start	613	End	3335
Name	OJ991211_65.0317.C4.o1.gs	Method	GENSCAN
Start	613	End	1575
GI	none	Score	.62
Exons	613..630, 672..1182, 1517..1575		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84268	Strand	+
Start	613	End	3335
Name	OJ991211_65.0317.C4.o1.gp	Method	AAT/GAP
Start	670	End	1010
GI	1632536	Score	619
Exons	670..1010		
GI Descrip.	5777618/emb|CAB53479.1| 5.0e-17 (AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84268	Strand	+
Start	613	End	3335
Name	OJ991211_65.0317.C4.o1.np	Method	AAT/NAP
Start	672	End	3335
GI	5777618	Score	170
Exons	672..1216, 3299..3335		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84269	Strand	+
Start	5427	End	9155
Name	OJ991211_65.0317.C4.o2.gp	Method	AAT/GAP
Start	5427	End	9155
GI	3551788	Score	1237
Exons	5427..6002, 9074..9155		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o3.gp	Method	AAT/GAP
Start	13323	End	15661
GI	none	Score	932
Exons	13323..13584, 15202..15325, 15544..15661		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o4.np	Method	AAT/NAP
Start	14723	End	15784
GI	7431560	Score	111
Exons	14723..14806, 15540..15784		

GI Descrip. hypothetical protein F3I6.9 - Arabidopsis thaliana gi|2829868|gb|AAC00576.1| (AC002396) Unknown protein [Arabidopsis thaliana]

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o3.gs	Method	GENSCAN
Start	15254	End	20593
GI	none	Score	.66
Exons	15254..15325, 15544..16236, 16471..16612, 16736..16977, 17462..17549, 18021..18101, 19994..20182, 20235..20593		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o4.gp	Method	AAT/GAP
Start	15792	End	16633
GI	569192	Score	757
Exons	15792..15886, 15989..16236, 16471..16633		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o5.gp	Method	AAT/GAP
Start	16577	End	17332
GI	none	Score	970
Exons	16577..16977, 17114..17175, 17271..17332		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o6.gp	Method	AAT/GAP
Start	18024	End	18093
GI	uC-osf1cyp099e06b1	Score	110
Exons	18024..18093		

GI Descrip. '4079798 3.0e-26 (AF052203) 23 kDa polypeptide of photosystem II [Oryza sativa]'

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84270	Strand	+
Start	15254	End	20593
Name	OJ991211_65.0317.C4.o7.gp	Method	AAT/GAP
Start	18479	End	18855
GI	none	Score	658
Exons	18479..18855		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84271	Strand	+
Start	20531	End	25438
Name	OJ991211_65.0317.C4.o5.np	Method	AAT/NAP
Start	20531	End	25074
GI	5430752	Score	103
Exons	20531..20570, 22740..22903, 23092..23480, 25057..25074		

GI Descrip. (AC007504) Hypothetical Protein [Arabidopsis thaliana]

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4

Gene No.	84271	Strand	+
Start	20531	End	25438
Name	OJ991211_65.0317.C4.o4.gs	Method	GENSCAN
Start	24090	End	25283
GI	none	Score	.94
Exons	24090..25283		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84271	Strand	+
Start	20531	End	25438
Name	OJ991211_65.0317.C4.o8.gp	Method	AAT/GAP
Start	25013	End	25438
GI	none	Score	832
Exons	25013..25438		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84272	Strand	+
Start	26074	End	26580
Name	OJ991211_65.0317.C4.o5.gs	Method	GENSCAN
Start	26074	End	26580
GI	none	Score	.67
Exons	26074..26107, 26510..26580		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84273	Strand	-
Start	2613	End	11517
Name	OJ991211_65.0317.C4.o2.gs	Method	GENSCAN
Start	2613	End	11517
GI	none	Score	.47
Exons	2613..3070, 3329..3503, 3720..3908, 5096..5193, 6770..7107, 7161..7365, 8124..8247, 8722..8859, 9886..9927, 10162..10178, 10511..10629, 11393..11517		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84273	Strand	-
Start	2613	End	11517
Name	OJ991211_65.0317.C4.o2.np	Method	AAT/NAP
Start	2649	End	3623
GI	6069646	Score	477
Exons	2649..3623		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84274	Strand	-
Start	26933	End	27223
Name	OJ991211_65.0317.C4.o6.gs	Method	GENSCAN
Start	26933	End	27223
GI	none	Score	.79
Exons	26933..27223		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661

Name	OJ991211_65.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	670	End	1127
GI	none	Score	136
Exons	670..795, 677..805, 681..803, 828..1025, 834..1028, 1010..1126, 1032..1127		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	2676	End	3218
GI	none	Score	104
Exons	2676..2864, 2889..3104, 2890..3120, 3132..3218		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o2.tw	Method	TBLASTX:Wheat
Start	2928	End	3111
GI	none	Score	66
Exons	2928..3110, 2929..3111		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	3534	End	3869
GI	none	Score	63
Exons	3534..3773, 3534..3869, 3535..3867		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	15199	End	18466
GI	none	Score	129
Exons	15199..15318, 15200..15325, 15532..15732, 15536..15748, 15537..15749, 15537..15749, 15538..15759, 15688..15933, 15741..16091, 15741..16085, 15760..16101, 15997..16092, 16069..16236, 16091..16237, 16470..16517, 16470..16517, 16535..16600, 16542..16598, 16546..16839, 16576..16758, 16590..16841, 16644..16847, 16660..16866, 16717..16842, 16829..16936, 16840..16947, 16840..16989, 16857..17006, 17107..17175, 17113..17175, 17256..17366, 17270..17365, 17460..17549, 17463..17549, 18011..18100, 18011..18100, 18012..18101, 18016..18102, 18284..18367, 18431..18466		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	24009	End	24958
GI	none	Score	159
Exons	24009..24221, 24010..24144, 24014..24223, 24015..24218, 24210..24563, 24221..24562, 24548..24958, 24549..24773, 24565..24954		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	24010	End	24259
GI	none	Score	122
Exons	24010..24123, 24014..24241, 24050..24259, 24051..24257		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o2.ts	Method	TBLASTX:Soybean
Start	24039	End	24284
GI	none	Score	211
Exons	24039..24128, 24043..24129, 24045..24284, 24050..24277		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	24392	End	24757
GI	none	Score	504
Exons	24392..24757, 24408..24755, 24410..24757		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	24432	End	25001
GI	none	Score	132
Exons	24432..24593, 24434..24580, 24650..24976, 24651..25001		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	24959	End	25136
GI	none	Score	254
Exons	24959..25135, 24960..25136		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o9.gp	Method	AAT/GAP
Start	27289	End	27661
GI	16011_1.R1084	Score	646
Exons	27289..27661		
GI Descrip.	'229737/pdb|1CCR| 2.0e-43 Cytochrome c'		

Seq. No.	40687	Seq. ID	OJ991211_65.0317.C4
Gene No.	84275	Strand	-
Start	27289	End	27661
Name	OJ991211_65.0317.C4.o6.np	Method	AAT/NAP
Start	27548	End	27643
GI	118012	Score	72
Exons	27548..27643		
GI Descrip.	CYTOCHROME C gi|65516|pir||CCPZ cytochrome c - parsnip		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84276	Strand	+
Start	5075	End	8204
Name	OJ991211_65.0317.C5.o1.np	Method	AAT/NAP
Start	4824	End	8092
GI	2462839	Score	825
Exons	4824..4932, 5193..5525, 5930..5982, 6401..6493, 6577..6800, 7078..7144, 7790..7897, 8048..8092		
GI Descrip.	(AF000657) unknown protein [Arabidopsis thaliana]		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84276	Strand	+
Start	5075	End	8204
Name	OJ991211_65.0317.C5.o2.gp	Method	AAT/GAP
Start	4944	End	5459
GI	none	Score	929
Exons	4944..5459		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84276	Strand	+
Start	5075	End	8204
Name	OJ991211_65.0317.C5.o2.gs	Method	GENSCAN
Start	5075	End	8074
GI	none	Score	.95
Exons	5075..5525, 5930..5982, 6401..6493, 6577..6800, 7078..7144, 7790..7897, 8048..8074		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84276	Strand	+
Start	5075	End	8204
Name	OJ991211_65.0317.C5.o3.gp	Method	AAT/GAP
Start	7785	End	8204
GI	50988_1.R1084	Score	463
Exons	7785..7897, 8048..8204		
GI Descrip.	'2462839 1.0e-12 (AF000657) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84277	Strand	-
Start	347	End	1733
Name	OJ991211_65.0317.C5.o1.gp	Method	AAT/GAP
Start	347	End	1733
GI	16011_1.R1084	Score	515
Exons	347..480, 1578..1733		
GI Descrip.	'229737/pdb|1CCR| 2.0e-43 Cytochrome c'		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84277	Strand	-
Start	347	End	1733
Name	OJ991211_65.0317.C5.o1.gs	Method	GENSCAN
Start	347	End	1689
GI	none	Score	.86
Exons	347..480, 1578..1689		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-

Start	8314	End	11221
Name	OJ991211_65.0317.C5.o4.tc	Method	TBLASTX:Cress
Start	338	End	1698
GI	none	Score	147
Exons	338..481, 339..482, 1558..1698, 1576..1689		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o5.ts	Method	TBLASTX:Soybean
Start	338	End	1707
GI	none	Score	114
Exons	338..475, 338..481, 339..482, 358..483, 1558..1707, 1577..1642		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o4.tm	Method	TBLASTX:Maize
Start	338	End	1740
GI	none	Score	166
Exons	338..481, 339..482, 348..482, 1558..1740, 1559..1696, 1576..1704		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o2.tm	Method	TBLASTX:Maize
Start	5381	End	8113
GI	none	Score	106
Exons	5381..5542, 5474..5560, 5476..5580, 5928..5984, 5929..5985, 6392..6493, 6395..6511, 6400..6495, 6576..6812, 6577..6798, 7073..7138, 7074..7106, 7075..7143, 7076..7144, 7770..7898, 7790..7897, 7792..7899, 7792..7899, 8010..8090, 8045..8092, 8045..8113		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o3.ts	Method	TBLASTX:Soybean
Start	5414	End	6746
GI	none	Score	77
Exons	5414..5530, 5474..5557, 5476..5556, 5928..5981, 5928..5981, 5929..5985, 6395..6511, 6403..6495, 6558..6587, 6576..6689, 6577..6678, 6589..6726, 6652..6708, 6675..6743, 6723..6746		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o3.tm	Method	TBLASTX:Maize
Start	8264	End	8544
GI	none	Score	122
Exons	8264..8518, 8302..8544, 8317..8529		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	8312	End	8841

GI	none	Score	78
Exons	8312..8518, 8314..8841		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o2.ts	Method	TBLASTX:Soybean
Start	8314	End	8607
GI	none	Score	109
Exons	8314..8607, 8315..8524		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o3.gs	Method	GENSCAN
Start	8314	End	9867
GI	none	Score	.99
Exons	8314..9867		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o2.np	Method	AAT/NAP
Start	8317	End	11221
GI	4582435	Score	1041
Exons	8317..9846, 11196..11221		
GI Descrip.	(AC007196) putative selenium-binding protein [Arabidopsis thaliana]		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	8548	End	9831
GI	none	Score	128
Exons	8548..8928, 8944..9465, 9008..9412, 9073..9240, 9124..9420, 9148..9540, 9197..9382, 9349..9624, 9451..9624, 9451..9630, 9721..9831		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	8614	End	9156
GI	none	Score	76
Exons	8614..8931, 8663..8788, 8944..9156, 9041..9154		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o2.tc	Method	TBLASTX:Cress
Start	8956	End	9235
GI	none	Score	121
Exons	8956..9234, 9008..9235		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-

Start	8314	End	11221
Name	OJ991211_65.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	9016	End	9630
GI	none	Score	130
Exons	9016..9486, 9032..9325, 9376..9630		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o4.ts	Method	TBLASTX:Soybean
Start	9169	End	9633
GI	none	Score	128
Exons	9169..9471, 9385..9633		

Seq. No.	40688	Seq. ID	OJ991211_65.0317.C5
Gene No.	84278	Strand	-
Start	8314	End	11221
Name	OJ991211_65.0317.C5.o3.tc	Method	TBLASTX:Cress
Start	9244	End	9630
GI	none	Score	95
Exons	9244..9594, 9352..9624, 9397..9456, 9463..9630		

Seq. No.	40689	Seq. ID	OJ991211_65.0317.C6
Gene No.	84279	Strand	+
Start	246	End	1651
Name	OJ991211_65.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	39	End	1651
GI	none	Score	120
Exons	39..116, 228..407, 230..337, 303..407, 1475..1537, 1500..1538, 1502..1540, 1517..1642, 1539..1634, 1541..1651		

Seq. No.	40689	Seq. ID	OJ991211_65.0317.C6
Gene No.	84279	Strand	+
Start	246	End	1651
Name	OJ991211_65.0317.C6.o1.gs	Method	GENSCAN
Start	246	End	1086
GI	none	Score	.94
Exons	246..407, 982..1086		

Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84280	Strand	+
Start	3498	End	17582
Name	OJ991211_65.0317.C7.o1.gs	Method	GENSCAN
Start	3498	End	17582
GI	none	Score	.78
Exons	3498..3521, 6346..6603, 6767..6798, 7085..7164, 7656..7855, 8429..9290, 9562..9683, 10129..10188, 10742..10792, 13011..13124, 14416..14440, 14522..14578, 14898..14951, 15457..15513, 15623..15679, 15790..15846, 15957..16013, 17065..17582		

Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84280	Strand	+
Start	3498	End	17582
Name	OJ991211_65.0317.C7.o2.np	Method	AAT/NAP
Start	17405	End	17573
GI	4406809	Score	108

Exons	17405..17573		
GI Descrip.	(AC006201) unknown protein [Arabidopsis thaliana]		
Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	8558	End	8977
GI	none	Score	56
Exons	8558..8662, 8722..8790, 8732..8977, 8734..8964		
Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o3.tm	Method	TBLASTX:Maize
Start	8985	End	17561
GI	none	Score	92
Exons	8985..9149, 9062..9175, 9110..9274, 9177..9278, 9182..9274, 9555..9683, 9555..9629, 9556..9684, 9557..9688, 10126..10188, 10128..10187, 17400..17561, 17404..17523, 17409..17546		
Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o3.np	Method	AAT/NAP
Start	17246	End	18741
GI	7487248	Score	454
Exons	17246..17301, 18359..18741		
GI Descrip.	hypothetical protein T20D16.23 - Arabidopsis thaliana gi|2642448|gb|AAB87116.1| (AC002391) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o2.gs	Method	GENSCAN
Start	17954	End	18667
GI	none	Score	.52
Exons	17954..17990, 18217..18272, 18359..18667		
Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o1.gp	Method	AAT/GAP
Start	18015	End	18574
GI	uC-osroM202029c05a1	Score	897
Exons	18015..18272, 18359..18574		
GI Descrip.	'5777618/emb|CAB53479.1| 5.0e-17 (AJ245900) CAA30376.1 protein [Oryza sativa]'		
Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	18344	End	18741
GI	none	Score	298
Exons	18344..18736, 18360..18734, 18416..18739, 18628..18741		

Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	18407	End	18741
GI	none	Score	46
Exons	18407..18571, 18461..18640, 18482..18529, 18485..18529, 18535..18705, 18536..18715, 18537..18710, 18646..18696, 18654..18683, 18704..18739, 18715..18741		

Seq. No.	40690	Seq. ID	OJ991211_65.0317.C7
Gene No.	84281	Strand	-
Start	17246	End	18741
Name	OJ991211_65.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	18435	End	18739
GI	none	Score	183
Exons	18435..18716, 18437..18715, 18479..18739		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84282	Strand	+
Start	381	End	1809
Name	OJ991211_65.0317.C8.o1.np	Method	AAT/NAP
Start	381	End	1809
GI	6682615	Score	176
Exons	381..551, 1739..1809		
GI Descrip.	(AC016163) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84283	Strand	+
Start	6389	End	6961
Name	OJ991211_65.0317.C8.o2.gs	Method	GENSCAN
Start	6389	End	6961
GI	none	Score	.66
Exons	6389..6391, 6839..6961		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84284	Strand	-
Start	548	End	2908
Name	OJ991211_65.0317.C8.o1.gp	Method	AAT/GAP
Start	548	End	873
GI	uC-osroM202029c05b1	Score	614
Exons	548..873		
GI Descrip.	'2642448 6.0e-12 (AC002391) hypothetical protein [Arabidopsis thaliana] >gi_3169187_gb_AAC17830.1_ (AC004401) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84284	Strand	-
Start	548	End	2908
Name	OJ991211_65.0317.C8.o2.np	Method	AAT/NAP
Start	658	End	2908
GI	7487248	Score	388
Exons	658..1347, 1404..1466, 1617..1864, 2867..2908		
GI Descrip.	hypothetical protein T20D16.23 - Arabidopsis thaliana gi|2642448|gb|AAB87116.1| (AC002391) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84284	Strand	-
Start	548	End	2908
Name	OJ991211_65.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	751	End	979
GI	none	Score	145
Exons	751..978, 752..979		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84284	Strand	-
Start	548	End	2908
Name	OJ991211_65.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	751	End	1014
GI	none	Score	135
Exons	751..1014, 767..985		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84284	Strand	-
Start	548	End	2908
Name	OJ991211_65.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	754	End	985
GI	none	Score	130
Exons	754..981, 755..985		

Seq. No.	40691	Seq. ID	OJ991211_65.0317.C8
Gene No.	84284	Strand	-
Start	548	End	2908
Name	OJ991211_65.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	757	End	987
GI	none	Score	130
Exons	757..987, 767..985		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84285	Strand	+
Start	2516	End	5177
Name	OJ991211_65.0317.C9.o1.gp	Method	AAT/GAP
Start	2516	End	5177
GI	2878_1.R1084	Score	3122
Exons	2516..2538, 2602..2862, 2962..3236, 4098..5177		
GI Descrip.	'4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84285	Strand	+
Start	2516	End	5177
Name	OJ991211_65.0317.C9.o1.gs	Method	GENSCAN
Start	2697	End	4568
GI	none	Score	1
Exons	2697..2862, 2962..3236, 4098..4568		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84285	Strand	+
Start	2516	End	5177
Name	OJ991211_65.0317.C9.o1.np	Method	AAT/NAP
Start	2697	End	4565

GI	6730942	Score	1574
Exons	2697..2862, 2962..3236, 4098..4565		
GI Descrip.	(AB028185) OsNAC6 protein [Oryza sativa]		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o3.tw	Method	TBLASTX:Wheat
Start	2685	End	2861
GI	none	Score	219
Exons	2685..2765, 2694..2861, 2723..2857		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	2697	End	4565
GI	none	Score	235
Exons	2697..2861, 2723..2848, 2925..3005, 2948..3211, 2949..3239, 3126..3236, 4092..4151, 4305..4352, 4343..4411, 4344..4409, 4530..4565, 4532..4561		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	2700	End	4550
GI	none	Score	291
Exons	2700..2768, 2706..2864, 2723..2857, 2925..3239, 2949..3005, 2959..3021, 2963..3214, 3126..3236, 3931..4005, 4092..4142, 4096..4131, 4097..4135, 4220..4273, 4221..4274, 4247..4345, 4278..4352, 4346..4378, 4347..4379, 4367..4435, 4389..4439, 4458..4550		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	2715	End	4565
GI	none	Score	246
Exons	2715..2861, 2723..2857, 2844..2864, 2949..3230, 2960..3211, 3126..3227, 4092..4151, 4299..4421, 4343..4417, 4530..4565		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o1.tw	Method	TBLASTX:Wheat
Start	2968	End	4121
GI	none	Score	205
Exons	2968..3021, 2969..3091, 2970..3092, 3077..3187, 3102..3245, 3107..3208, 3126..3245, 3931..4011, 4092..4121		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o2.tw	Method	TBLASTX:Wheat
Start	4122	End	4685

GI	none	Score	45
Exons	4122..4154, 4230..4289, 4232..4288, 4296..4373, 4313..4369, 4388..4447, 4389..4448, 4470..4604, 4520..4564, 4534..4575, 4659..4685, 4660..4680		

Seq. No.	40692	Seq. ID	OJ991211_65.0317.C9
Gene No.	84286	Strand	-
Start	8490	End	11876
Name	OJ991211_65.0317.C9.o2.gs	Method	GENSCAN
Start	8490	End	11876
GI	none	Score	.75
Exons	8490..8626, 8950..9090, 9176..9210, 10478..10565, 10776..10913, 11711..11876		

Seq. No.	40693	Seq. ID	OJ991211_65.0317.C11
Gene No.	84287	Strand	-
Start	1512	End	4472
Name	OJ991211_65.0317.C11.o1.np	Method	AAT/NAP
Start	1333	End	4472
GI	113511	Score	437
Exons	1333..1468, 1996..2079, 2224..2265, 2552..2651, 2849..2913, 3109..3192, 4268..4472		
GI Descrip.	FLORAL HOMEOTIC PROTEIN AGL1 gi|81609|pir||A39534 floral homeotic protein AGL1 - Arabidopsis thaliana gi|166588|gb|AAA32730.1| (M55550) transcription factor [Arabidopsis thaliana]		

Seq. No.	40693	Seq. ID	OJ991211_65.0317.C11
Gene No.	84287	Strand	-
Start	1512	End	4472
Name	OJ991211_65.0317.C11.o1.gs	Method	GENSCAN
Start	1512	End	4444
GI	none	Score	.76
Exons	1512..1646, 1663..1914, 2038..2265, 2552..2651, 2849..2913, 3106..3187, 4260..4444		

Seq. No.	40693	Seq. ID	OJ991211_65.0317.C11
Gene No.	84287	Strand	-
Start	1512	End	4472
Name	OJ991211_65.0317.C11.o1.tc	Method	TBLASTX:Cress
Start	2531	End	4459
GI	none	Score	134
Exons	2531..2668, 2848..2910, 3109..3183, 4260..4448, 4262..4459		

Seq. No.	40693	Seq. ID	OJ991211_65.0317.C11
Gene No.	84287	Strand	-
Start	1512	End	4472
Name	OJ991211_65.0317.C11.o1.ts	Method	TBLASTX:Soybean
Start	2552	End	4460
GI	none	Score	150
Exons	2552..2668, 2848..2913, 3109..3183, 4260..4460, 4262..4444, 4353..4454		

Seq. No.	40693	Seq. ID	OJ991211_65.0317.C11
Gene No.	84287	Strand	-
Start	1512	End	4472
Name	OJ991211_65.0317.C11.o1.tw	Method	TBLASTX:Wheat

Start	2582	End	4444
GI	none	Score	187
Exons	2582..2653, 4247..4444, 4274..4444		

Seq. No.	40693	Seq. ID	OJ991211_65.0317.C11
Gene No.	84287	Strand	-
Start	1512	End	4472
Name	OJ991211_65.0317.C11.o1.tm	Method	TBLASTX:Maize
Start	2854	End	4450
GI	none	Score	78
Exons	2854..2937, 2858..2911, 3109..3189, 3110..3190, 4268..4450, 4271..4444		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84288	Strand	+
Start	6638	End	9204
Name	OJ991211_65.0317.C12.o1.np	Method	AAT/NAP
Start	4358	End	4621
GI	4584355	Score	175
Exons	4358..4621		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84288	Strand	+
Start	6638	End	9204
Name	OJ991211_65.0317.C12.o1.gs	Method	GENSCAN
Start	6638	End	9204
GI	none	Score	.79
Exons	6638..6896, 7702..7829, 8527..9204		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84288	Strand	+
Start	6638	End	9204
Name	OJ991211_65.0317.C12.o2.gp	Method	AAT/GAP
Start	6839	End	8936
GI	3768633	Score	1063
Exons	6839..6896, 7702..7829, 8527..8936		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84289	Strand	+
Start	13366	End	16196
Name	OJ991211_65.0317.C12.o3.gs	Method	GENSCAN
Start	13366	End	16196
GI	none	Score	.98
Exons	13366..13371, 15000..16196		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84290	Strand	-
Start	1	End	164
Name	OJ991211_65.0317.C12.o1.gp	Method	AAT/GAP
Start	1	End	164
GI	8022_1.R1084	Score	254
Exons	1..164		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12

Gene No.	84291	Strand	-
Start	8995	End	9443
Name	OJ991211_65.0317.C12.o3.gp	Method	AAT/GAP
Start	8995	End	9443
GI	none	Score	861
Exons	8995..9443		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84292	Strand	-
Start	10566	End	11133
Name	OJ991211_65.0317.C12.o2.gs	Method	GENSCAN
Start	10566	End	11133
GI	none	Score	.73
Exons	10566..11052, 11087..11133		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84293	Strand	-
Start	13459	End	13520
Name	OJ991211_65.0317.C12.o4.gp	Method	AAT/GAP
Start	13459	End	13520
GI	LIB3477-003-P1-K1-E9	Score	79
Exons	13459..13520		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84294	Strand	-
Start	16823	End	19294
Name	OJ991211_65.0317.C12.o4.gs	Method	GENSCAN
Start	16823	End	19294
GI	none	Score	.69
Exons	16823..19294		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84294	Strand	-
Start	16823	End	19294
Name	OJ991211_65.0317.C12.o2.np	Method	AAT/NAP
Start	16856	End	19294
GI	1346396	Score	1732
Exons	16856..19294		
GI Descrip.	PUTATIVE RECEPTOR PROTEIN KINASE ZMPK1 PRECURSOR gi|100913|pir||S10930 probable receptor protein kinase (EC 2.7.1.-) precursor - maize gi|22432|emb|CAA36611| (X52384) precursor protein (AA -26 to 791) [Zea mays] gi|22436|emb|CAA47962| (X67733) receptor-like protein kinase [Zea mays] gi|226927|prf||1611404A receptor protein kinase [Zea mays]		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o2.ts	Method	TBLASTX:Soybean
Start	8586	End	8958
GI	none	Score	65
Exons	8586..8705, 8587..8958, 8587..8781, 8598..8786, 8805..8954		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	8587	End	9202
GI	none	Score	739
Exons	8587..9192, 8589..9173, 8591..9202		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o1.tc	Method	TBLASTX:Cress
Start	8592	End	9195
GI	none	Score	73
Exons	8592..9095, 8595..8783, 8596..9096, 8599..9099, 9126..9194, 9127..9195		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o5.ts	Method	TBLASTX:Soybean
Start	8980	End	9195
GI	none	Score	224
Exons	8980..9195, 8982..9194		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o2.tc	Method	TBLASTX:Cress
Start	16871	End	19114
GI	none	Score	46
Exons	16871..16960, 16877..17008, 17067..17231, 17072..17230, 17258..17434, 17331..17414, 17453..17503, 17507..17614, 18347..18529, 18788..18910, 19031..19114		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o3.tm	Method	TBLASTX:Maize
Start	17067	End	17800
GI	none	Score	84
Exons	17067..17222, 17096..17248, 17252..17446, 17334..17435, 17453..17503, 17525..17656, 17526..17645, 17690..17800		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o1.ts	Method	TBLASTX:Soybean
Start	17087	End	17503
GI	none	Score	195
Exons	17087..17434, 17103..17435, 17450..17503		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o1.tw	Method	TBLASTX:Wheat
Start	17165	End	17585

GI	none	Score	143
Exons	17165..17227, 17258..17434, 17270..17434, 17432..17503, 17442..17474, 17489..17584, 17523..17585		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o5.tm	Method	TBLASTX:Maize
Start	18620	End	18943
GI	none	Score	55
Exons	18620..18790, 18654..18716, 18794..18886, 18795..18869, 18887..18943		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o5.gp	Method	AAT/GAP
Start	20024	End	21423
GI	30467_1.R1084	Score	1461
Exons	20024..20404, 20646..20817, 20908..21032, 21169..21234, 21346..21423		
GI Descrip.	'4539006/emb|CAB39627.1| 6.0e-61 (AL049481) putative protein [Arabidopsis thaliana]'		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o5.gs	Method	GENSCAN
Start	20318	End	25387
GI	none	Score	.82
Exons	20318..20404, 20646..20817, 20908..21032, 21169..21234, 21346..21447, 22542..22679, 23147..23173, 23250..23393, 23790..23923, 25265..25387		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o3.np	Method	AAT/NAP
Start	20339	End	24246
GI	7487731	Score	896
Exons	20339..20404, 20646..20817, 20908..21032, 21169..21234, 21346..21447, 21548..21600, 21702..21755, 22538..22640, 22725..22768, 22932..23022, 23147..23368, 24186..24246		
GI Descrip.	hypothetical protein T5L19.160 - Arabidopsis thaliana gi|4539006|emb|CAB39627.1| (AL049481) putative protein [Arabidopsis thaliana] gi|7267699|emb|CAB78126.1| (AL161516) putative protein [Arabidopsis thaliana]		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o3.ts	Method	TBLASTX:Soybean
Start	20345	End	20952
GI	none	Score	140
Exons	20345..20404, 20643..20822, 20643..20813, 20892..20951, 20902..20952		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o3.tc	Method	TBLASTX:Cress
Start	20348	End	20792
GI	none	Score	73
Exons	20348..20404, 20643..20792, 20646..20786		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o2.tm	Method	TBLASTX:Maize
Start	20649	End	21237
GI	none	Score	220
Exons	20649..20819, 20650..20814, 20651..20818, 20655..20840, 20892..20984, 20892..21035, 20902..21033, 21168..21236, 21169..21237, 21170..21235		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o2.tw	Method	TBLASTX:Wheat
Start	21326	End	21744
GI	none	Score	173
Exons	21326..21481, 21334..21468, 21529..21606, 21530..21613, 21534..21620, 21545..21613, 21681..21731, 21682..21732, 21685..21744, 21686..21739		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o4.ts	Method	TBLASTX:Soybean
Start	21343	End	21768
GI	none	Score	52
Exons	21343..21450, 21344..21457, 21548..21601, 21549..21602, 21703..21768, 21704..21748		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o4.tm	Method	TBLASTX:Maize
Start	22542	End	23380
GI	none	Score	103
Exons	22542..22643, 22543..22644, 22543..22644, 22560..22649, 22716..22769, 22717..22770, 22927..23022, 22930..23022, 22931..23023, 22931..23026, 23143..23172, 23146..23175, 23202..23372, 23206..23376, 23249..23380, 23250..23378		

Seq. No.	40694	Seq. ID	OJ991211_65.0317.C12
Gene No.	84295	Strand	-
Start	20318	End	25387
Name	OJ991211_65.0317.C12.o6.gp	Method	AAT/GAP
Start	22960	End	25084
GI	701851	Score	580
Exons	22960..23022, 23146..23173, 23250..23393, 24902..25084		

Seq. No.	40695	Seq. ID	OJ991211_56.0303.C22

Gene No.	84296	Strand	
Start	6568	End	8445
Name	OJ991211_56.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	6568	End	8445
GI	none	Score	73
Exons	6568..6588, 6597..6746, 6597..6749, 6616..6747, 6747..6983, 6768..6959, 6787..6987, 6983..7033, 6987..7028, 7601..7723, 7603..7728, 7964..8095, 7977..8096, 8200..8226, 8201..8227, 8230..8445, 8231..8380		

Seq. No.	40695	Seq. ID	OJ991211_56.0303.C22
Gene No.	84296	Strand	
Start	6568	End	8445
Name	OJ991211_56.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	6591	End	7025
GI	none	Score	180
Exons	6591..6749, 6591..6749, 6592..6750, 6747..6983, 6749..7006, 6751..6984, 6983..7024, 6987..7025		

Seq. No.	40695	Seq. ID	OJ991211_56.0303.C22
Gene No.	84296	Strand	
Start	6568	End	8445
Name	OJ991211_56.0303.C22.o1.tc	Method	TBLASTX:Cress
Start	6612	End	8412
GI	none	Score	42
Exons	6612..6749, 6747..6983, 6772..6813, 6847..6984, 6986..7033, 6987..7028, 7603..7725, 7604..7720, 7964..8098, 7977..8060, 8200..8226, 8287..8412		

Seq. No.	40695	Seq. ID	OJ991211_56.0303.C22
Gene No.	84296	Strand	
Start	6568	End	8445
Name	OJ991211_56.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	6639	End	7039
GI	none	Score	62
Exons	6639..6749, 6642..6749, 6643..6750, 6747..6983, 6749..6991, 6751..6984, 6986..7039, 6988..7038		

Seq. No.	40695	Seq. ID	OJ991211_56.0303.C22
Gene No.	84296	Strand	
Start	6568	End	8445
Name	OJ991211_56.0303.C22.o2.tm	Method	TBLASTX:Maize
Start	7601	End	8353
GI	none	Score	135
Exons	7601..7723, 7603..7731, 7603..7728, 7964..8098, 7964..8098, 8199..8219, 8200..8226, 8230..8262, 8269..8352, 8303..8353		

Seq. No.	40695	Seq. ID	OJ991211_56.0303.C22
Gene No.	84296	Strand	
Start	6568	End	8445
Name	OJ991211_56.0303.C22.o2.tw	Method	TBLASTX:Wheat
Start	7630	End	8340
GI	none	Score	112
Exons	7630..7728, 7631..7738, 7949..8086, 7950..8054, 7961..8107, 8200..8226, 8230..8340		

Seq. No.	40696	Seq. ID	OJ991211_56.0303.C24

Gene No.	84297	Strand	+
Start	1322	End	1597
Name	OJ991211_56.0303.C24.o1.gp	Method	AAT/GAP
Start	1322	End	1597
GI	4878407	Score	498
Exons	1322..1597		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	40697	Seq. ID	OJ991211_56.0303.C29
Gene No.	84298	Strand	+
Start	567	End	948
Name	OJ991211_56.0303.C29.o1.gp	Method	AAT/GAP
Start	567	End	948
GI	uC-osf1cyp033a04b1	Score	655
Exons	567..948		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40698	Seq. ID	OJ991211_56.0303.C30
Gene No.	84299	Strand	+
Start	2045	End	2781
Name	OJ991211_56.0303.C30.o1.gp	Method	AAT/GAP
Start	2045	End	2781
GI	101153_1.R1084	Score	377
Exons	2045..2084, 2532..2781		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40698	Seq. ID	OJ991211_56.0303.C30
Gene No.	84300	Strand	+
Start	3763	End	3849
Name	OJ991211_56.0303.C30.o1.tm	Method	TBLASTX:Maize
Start	528	End	728
GI	none	Score	203
Exons	528..728, 529..711		

Seq. No.	40698	Seq. ID	OJ991211_56.0303.C30
Gene No.	84300	Strand	+
Start	3763	End	3849
Name	OJ991211_56.0303.C30.o2.gp	Method	AAT/GAP
Start	3763	End	3849
GI	61605_1.R1084	Score	146
Exons	3763..3849		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84301	Strand	
Start	14	End	496
Name	OJ991211_56.0303.C31.o2.tw	Method	TBLASTX:Wheat
Start	14	End	268
GI	none	Score	269
Exons	14..268, 118..267		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84301	Strand	

Start	14	End	496
Name	OJ991211_56.0303.C31.o2.ts	Method	TBLASTX:Soybean
Start	14	End	292
GI	5509260	Score	243
Exons	14..292, 118..195, 235..267		
GI Descrip.	-		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84301	Strand	
Start	14	End	496
Name	OJ991211_56.0303.C31.o2.tm	Method	TBLASTX:Maize
Start	91	End	496
GI	none	Score	431
Exons	91..474, 92..475, 98..496		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84302	Strand	
Start	484	End	1368
Name	OJ991211_56.0303.C31.o1.tw	Method	TBLASTX:Wheat
Start	484	End	915
GI	none	Score	160
Exons	484..657, 486..650, 655..915, 657..899		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84302	Strand	
Start	484	End	1368
Name	OJ991211_56.0303.C31.o1.tm	Method	TBLASTX:Maize
Start	514	End	976
GI	none	Score	560
Exons	514..972, 514..633, 525..833, 691..972, 896..976		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84302	Strand	
Start	484	End	1368
Name	OJ991211_56.0303.C31.o1.ts	Method	TBLASTX:Soybean
Start	679	End	1275
GI	none	Score	476
Exons	679..1275, 684..806, 873..1202		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84302	Strand	
Start	484	End	1368
Name	OJ991211_56.0303.C31.o3.tw	Method	TBLASTX:Wheat
Start	919	End	1278
GI	none	Score	95
Exons	919..1086, 1099..1278		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84302	Strand	
Start	484	End	1368
Name	OJ991211_56.0303.C31.o3.tm	Method	TBLASTX:Maize
Start	978	End	1317
GI	none	Score	362
Exons	978..1280, 982..1284, 1285..1317		

Seq. No.	40699	Seq. ID	OJ991211_56.0303.C31
Gene No.	84302	Strand	

Start	484	End	1368
Name	OJ991211_56.0303.C31.o1.tc	Method	TBLASTX:Cress
Start	1075	End	1368
GI	none	Score	190
Exons	1075..1368		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o2.tm	Method	TBLASTX:Maize
Start	2013	End	2398
GI	none	Score	470
Exons	2013..2069, 2015..2398, 2047..2379, 2336..2398		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o1.ts	Method	TBLASTX:Soybean
Start	2018	End	3496
GI	none	Score	441
Exons	2018..2512, 2050..2379, 2456..2557, 2539..2724, 2540..2752, 2747..3496, 2815..3069, 3133..3375, 3416..3487		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o1.tc	Method	TBLASTX:Cress
Start	2027	End	3382
GI	none	Score	86
Exons	2027..2149, 2056..2214, 2213..2416, 2471..2551, 2669..2734, 2842..3069, 2849..3226, 3260..3382		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o3.tw	Method	TBLASTX:Wheat
Start	2033	End	2350
GI	none	Score	190
Exons	2033..2350, 2050..2256		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o3.tm	Method	TBLASTX:Maize
Start	2441	End	2707
GI	none	Score	88
Exons	2441..2524, 2443..2514, 2465..2518, 2530..2706, 2540..2707		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o1.tm	Method	TBLASTX:Maize
Start	2711	End	3490
GI	none	Score	835
Exons	2711..3490, 2821..3375		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33

Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o1.tw	Method	TBLASTX:Wheat
Start	2822	End	3175
GI	none	Score	264
Exons	2822..3175, 2851..2940, 3028..3174		

Seq. No.	40700	Seq. ID	OJ991211_56.0303.C33
Gene No.	84303	Strand	
Start	2013	End	3496
Name	OJ991211_56.0303.C33.o2.tw	Method	TBLASTX:Wheat
Start	3200	End	3478
GI	none	Score	229
Exons	3200..3361, 3203..3478		

Seq. No.	40701	Seq. ID	OJ991211_56.0303.C37
Gene No.	84304	Strand	+
Start	1262	End	1733
Name	OJ991211_56.0303.C37.o1.gp	Method	AAT/GAP
Start	1262	End	1733
GI	42057_1.R1084	Score	854
Exons	1262..1733		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40702	Seq. ID	OJ991211_43.0309.C8
Gene No.	84305	Strand	
Start	28	End	686
Name	OJ991211_43.0309.C8.o1.tc	Method	TBLASTX:Cress
Start	28	End	633
GI	none	Score	88
Exons	28..126, 214..309, 400..633		

Seq. No.	40702	Seq. ID	OJ991211_43.0309.C8
Gene No.	84305	Strand	
Start	28	End	686
Name	OJ991211_43.0309.C8.o1.tm	Method	TBLASTX:Maize
Start	28	End	633
GI	none	Score	89
Exons	28..126, 40..90, 165..314, 193..309, 409..633		

Seq. No.	40702	Seq. ID	OJ991211_43.0309.C8
Gene No.	84305	Strand	
Start	28	End	686
Name	OJ991211_43.0309.C8.o1.ts	Method	TBLASTX:Soybean
Start	28	End	686
GI	none	Score	96
Exons	28..129, 165..305, 181..309, 382..615, 439..570, 622..669, 630..686		

Seq. No.	40702	Seq. ID	OJ991211_43.0309.C8
Gene No.	84305	Strand	
Start	28	End	686
Name	OJ991211_43.0309.C8.o1.tw	Method	TBLASTX:Wheat
Start	435	End	686
GI	none	Score	169
Exons	435..542, 436..627, 439..570, 613..669, 618..686		

Seq. No.	40703	Seq. ID	OJ991211_43.0309.C9
Gene No.	84306	Strand	+
Start	4569	End	5264
Name	OJ991211_43.0309.C9.o1.gp	Method	AAT/GAP
Start	4569	End	5264
GI	3548940	Score	928
Exons	4569..5264		

Seq. No.	40704	Seq. ID	OJ991211_43.0309.C11
Gene No.	84307	Strand	-
Start	2344	End	2571
Name	OJ991211_43.0309.C11.o1.gp	Method	AAT/GAP
Start	2344	End	2571
GI	25600_2.R1084	Score	378
Exons	2344..2571		
GI Descrip.	'3402282/emb|CAA04449| 8.0e-12 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	40705	Seq. ID	OJ991211_43.0309.C18
Gene No.	84308	Strand	-
Start	4403	End	4827
Name	OJ991211_43.0309.C18.o1.tm	Method	TBLASTX:Maize
Start	4243	End	4823
GI	none	Score	36
Exons	4243..4287, 4310..4336, 4349..4453, 4360..4452, 4468..4575, 4469..4576, 4683..4823, 4683..4745		

Seq. No.	40705	Seq. ID	OJ991211_43.0309.C18
Gene No.	84308	Strand	-
Start	4403	End	4827
Name	OJ991211_43.0309.C18.o1.tw	Method	TBLASTX:Wheat
Start	4348	End	4745
GI	none	Score	90
Exons	4348..4452, 4352..4453, 4468..4569, 4469..4567, 4683..4745		

Seq. No.	40705	Seq. ID	OJ991211_43.0309.C18
Gene No.	84308	Strand	-
Start	4403	End	4827
Name	OJ991211_43.0309.C18.o1.gp	Method	AAT/GAP
Start	4403	End	4827
GI	2431531	Score	435
Exons	4403..4574, 4685..4827		

Seq. No.	40706	Seq. ID	OJ991211_43.0309.C22
Gene No.	84309	Strand	+
Start	1988	End	2154
Name	OJ991211_43.0309.C22.o1.gp	Method	AAT/GAP
Start	1988	End	2154
GI	6756_1.R1084	Score	240
Exons	1988..2154		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 2.0e-24 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	40706	Seq. ID	OJ991211_43.0309.C22
Gene No.	84310	Strand	+

Start	4539	End	5123
Name	OJ991211_43.0309.C22.o2.gp	Method	AAT/GAP
Start	4539	End	4963
GI	2431531	Score	412
Exons	4539..4688, 4792..4963		

Seq. No.	40706	Seq. ID	OJ991211_43.0309.C22
Gene No.	84310	Strand	+
Start	4539	End	5123
Name	OJ991211_43.0309.C22.o1.tm	Method	TBLASTX:Maize
Start	4577	End	5123
GI	none	Score	71
Exons	4577..4690, 4628..4702, 4790..4897, 4791..4898, 4913..5005, 4914..5006, 5079..5123		

Seq. No.	40706	Seq. ID	OJ991211_43.0309.C22
Gene No.	84310	Strand	+
Start	4539	End	5123
Name	OJ991211_43.0309.C22.o1.tw	Method	TBLASTX:Wheat
Start	4601	End	5015
GI	none	Score	85
Exons	4601..4690, 4628..4690, 4797..4898, 4799..4897, 4913..5014, 4914..5015		

Seq. No.	40707	Seq. ID	OJ991211_43.0309.C24
Gene No.	84311	Strand	-
Start	1	End	367
Name	OJ991211_43.0309.C24.o1.gp	Method	AAT/GAP
Start	1	End	367
GI	uC-osroM202022d09b1	Score	722
Exons	1..367		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	40708	Seq. ID	OJ991211_43.0309.C27
Gene No.	84312	Strand	+
Start	1	End	54
Name	OJ991211_43.0309.C27.o1.gp	Method	AAT/GAP
Start	1	End	54
GI	25600_5.R1084	Score	108
Exons	1..54		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	40709	Seq. ID	OJ991211_33.0308.C8
Gene No.	84313	Strand	+
Start	1	End	722
Name	OJ991211_33.0308.C8.o1.np	Method	AAT/NAP
Start	1	End	722
GI	4249662	Score	151
Exons	1..106, 193..307, 697..722		
GI Descrip.	(AF089810) Altered Response to Gravity [Arabidopsis thaliana] gi|6714354|gb|AAF26045.1|AC015986_8 (AC015986) ARG1 protein (Altered Response to Gravity) [Arabidopsis thaliana]		

Seq. No.	40709	Seq. ID	OJ991211_33.0308.C8
Gene No.	84313	Strand	+

Start	1	End	722
Name	OJ991211_33.0308.C8.o1.tm	Method	TBLASTX:Maize
Start	1	End	300
GI	none	Score	158
Exons	1..108, 2..109, 189..296, 190..300		

Seq. No.	40709	Seq. ID	OJ991211_33.0308.C8
Gene No.	84313	Strand	+
Start	1	End	722
Name	OJ991211_33.0308.C8.o1.tc	Method	TBLASTX:Cress
Start	1	End	314
GI	none	Score	109
Exons	1..108, 2..109, 184..297, 186..314, 187..300		

Seq. No.	40710	Seq. ID	OJ991211_33.0308.C17
Gene No.	84314	Strand	-
Start	1	End	314
Name	OJ991211_33.0308.C17.o1.np	Method	AAT/NAP
Start	1	End	314
GI	7303287	Score	180
Exons	1..314		
GI Descrip.	(AE003817) CG6197 gene product [Drosophila melanogaster]		

Seq. No.	40711	Seq. ID	OJ991211_33.0308.C22
Gene No.	84315	Strand	-
Start	486	End	557
Name	OJ991211_33.0308.C22.o1.gs	Method	GENSCAN
Start	486	End	557
GI	none	Score	.6
Exons	486..557		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84316	Strand	+
Start	4399	End	9214
Name	OJ991211_33.0308.C24.o2.gs	Method	GENSCAN
Start	4399	End	9214
GI	none	Score	.68
Exons	4399..4531, 7711..8006, 8153..9214		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84316	Strand	+
Start	4399	End	9214
Name	OJ991211_33.0308.C24.o1.gp	Method	AAT/GAP
Start	4656	End	5118
GI	LIB3432-059-P1-K1-D8	Score	694
Exons	4656..5118		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84317	Strand	+
Start	15983	End	16327
Name	OJ991211_33.0308.C24.o4.gs	Method	GENSCAN
Start	15983	End	16327
GI	none	Score	.68
Exons	15983..16327		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84318	Strand	+
Start	19641	End	21957
Name	OJ991211_33.0308.C24.o3.np	Method	AAT/NAP
Start	19641	End	21957
GI	4151321	Score	240
Exons	19641..20129, 21898..21957		
GI Descrip.	(AF089085) putative auxin efflux carrier protein; AtPIN1 [Arabidopsis thaliana]		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84318	Strand	+
Start	19641	End	21957
Name	OJ991211_33.0308.C24.o5.gs	Method	GENSCAN
Start	19641	End	20886
GI	none	Score	.48
Exons	19641..20410, 20757..20886		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84319	Strand	+
Start	30754	End	31715
Name	OJ991211_33.0308.C24.o9.gs	Method	GENSCAN
Start	30754	End	31715
GI	none	Score	.97
Exons	30754..30779, 31517..31715		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84320	Strand	+
Start	38555	End	39981
Name	OJ991211_33.0308.C24.o11.gs	Method	GENSCAN
Start	38555	End	39981
GI	none	Score	.57
Exons	38555..38691, 39300..39402, 39480..39726, 39761..39981		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84321	Strand	+
Start	44679	End	51876
Name	OJ991211_33.0308.C24.o13.gs	Method	GENSCAN
Start	44679	End	51876
GI	none	Score	.55
Exons	44679..44791, 44985..45583, 46215..46332, 46399..46933, 47113..47243, 47595..48200, 48779..48923, 50880..51187, 51260..51387, 51695..51876		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84321	Strand	+
Start	44679	End	51876
Name	OJ991211_33.0308.C24.o8.np	Method	AAT/NAP
Start	45296	End	47496
GI	7248394	Score	1720
Exons	45296..46178, 46446..47496		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84322	Strand	+
Start	52094	End	58814
Name	OJ991211_33.0308.C24.o14.gs	Method	GENSCAN
Start	52094	End	58814
GI	none	Score	.46
Exons	52094..52705, 52802..52983, 53222..53323, 53914..54043, 54352..58496, 58691..58814		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84322	Strand	+
Start	52094	End	58814
Name	OJ991211_33.0308.C24.o9.np	Method	AAT/NAP
Start	54592	End	58497
GI	6539553	Score	6778
Exons	54592..58497		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84323	Strand	-
Start	9683	End	16281
Name	OJ991211_33.0308.C24.o1.np	Method	AAT/NAP
Start	9683	End	11100
GI	6815053	Score	212
Exons	9683..9845, 10212..10443, 10953..11100		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84323	Strand	-
Start	9683	End	16281
Name	OJ991211_33.0308.C24.o3.gs	Method	GENSCAN
Start	10155	End	14039
GI	none	Score	.45
Exons	10155..10286, 10571..10660, 10962..11123, 11328..11467, 11556..11613, 11685..11801, 11874..12284, 12872..12924, 13907..14039		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84323	Strand	-
Start	9683	End	16281
Name	OJ991211_33.0308.C24.o2.np	Method	AAT/NAP
Start	10494	End	16281
GI	5917664	Score	173
Exons	10494..10552, 12282..12523, 13863..14177, 15949..16281		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84324	Strand	-
Start	22516	End	23063
Name	OJ991211_33.0308.C24.o6.gs	Method	GENSCAN
Start	22516	End	23063
GI	none	Score	.88
Exons	22516..22693, 23041..23063		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84325	Strand	-
Start	23372	End	29834
Name	OJ991211_33.0308.C24.o5.np	Method	AAT/NAP
Start	23372	End	27249
GI	3786005	Score	127
Exons	23372..23465, 25511..25558, 25636..25769, 27208..27249		
GI Descrip.	(AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84325	Strand	-
Start	23372	End	29834
Name	OJ991211_33.0308.C24.o8.gs	Method	GENSCAN
Start	24952	End	29834
GI	none	Score	.55
Exons	24952..25061, 25592..25714, 26562..26677, 28453..28524, 28856..28896, 29115..29282, 29351..29739, 29777..29834		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84325	Strand	-
Start	23372	End	29834
Name	OJ991211_33.0308.C24.o6.np	Method	AAT/NAP
Start	29310	End	29733
GI	7484803	Score	186
Exons	29310..29733		
GI Descrip.	amidase homolog T11I11.120 - Arabidopsis thaliana gi|5123705|emb|CAB45449.1| (AL079347) amidase-like protein [Arabidopsis thaliana] gi|7270439|emb|CAB80205.1| (AL161586) amidase-like protein [Arabidopsis thaliana]		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o2.tc	Method	TBLASTX:Cress
Start	19638	End	25041
GI	none	Score	70
Exons	19638..19733, 19722..19769, 19773..19874, 19947..20126, 19949..20092, 20334..20405, 20510..20599, 20747..20914, 22158..22241, 23782..23877, 23865..24041, 23866..23925, 23974..24045, 24099..24263, 24100..24276, 24484..24555, 24660..24749, 24925..25041		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o5.ts	Method	TBLASTX:Soybean
Start	22509	End	25752
GI	none	Score	207
Exons	22509..22682, 22516..22710, 22520..22687, 22525..22695, 25511..25564, 25514..25537, 25516..25566, 25631..25747, 25635..25748, 25635..25751, 25639..25752		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o9.tm	Method	TBLASTX:Maize

Start	22509	End	25752
GI	none	Score	210
Exons	22509..22682, 22516..22743, 22520..22690, 22525..22719, 25511..25564, 25516..25566, 25631..25747, 25635..25748, 25635..25751, 25639..25752		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o3.tc	Method	TBLASTX:Cress
Start	37876	End	38184
GI	none	Score	200
Exons	37876..38184, 38010..38093		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o5.tm	Method	TBLASTX:Maize
Start	37921	End	38454
GI	none	Score	332
Exons	37921..38139, 37924..38196, 37926..38195, 38304..38414, 38332..38454		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o7.ts	Method	TBLASTX:Soybean
Start	37924	End	38184
GI	none	Score	227
Exons	37924..38184, 37968..38180		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o9.tw	Method	TBLASTX:Wheat
Start	38331	End	38693
GI	none	Score	170
Exons	38331..38417, 38332..38625, 38634..38693		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84326	Strand	-
Start	40975	End	43699
Name	OJ991211_33.0308.C24.o12.gs	Method	GENSCAN
Start	40975	End	43699
GI	none	Score	.65
Exons	40975..41073, 41160..41492, 41510..41629, 41732..41915, 42010..42221, 42806..43076, 43126..43272, 43504..43585, 43597..43699		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84327	Strand	
Start	46148	End	47168
Name	OJ991211_33.0308.C24.o11.ts	Method	TBLASTX:Soybean
Start	46148	End	46513
GI	none	Score	119
Exons	46148..46384, 46382..46513		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84327	Strand	
Start	46148	End	47168
Name	OJ991211_33.0308.C24.o3.tw	Method	TBLASTX:Wheat
Start	46310	End	46714
GI	none	Score	71
Exons	46310..46366, 46315..46356, 46361..46714, 46369..46647, 46380..46700, 46382..46714		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84327	Strand	
Start	46148	End	47168
Name	OJ991211_33.0308.C24.o8.tm	Method	TBLASTX:Maize
Start	46364	End	46582
GI	none	Score	284
Exons	46364..46582, 46364..46540, 46369..46581		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84327	Strand	
Start	46148	End	47168
Name	OJ991211_33.0308.C24.o1.tm	Method	TBLASTX:Maize
Start	46583	End	47041
GI	none	Score	539
Exons	46583..47041, 46585..46647, 46589..47041		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84327	Strand	
Start	46148	End	47168
Name	OJ991211_33.0308.C24.o7.tw	Method	TBLASTX:Wheat
Start	46715	End	47049
GI	none	Score	198
Exons	46715..47035, 46732..47049		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84327	Strand	
Start	46148	End	47168
Name	OJ991211_33.0308.C24.o9.ts	Method	TBLASTX:Soybean
Start	46730	End	47168
GI	none	Score	220
Exons	46730..47011, 46768..46992, 47055..47168		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84328	Strand	
Start	47350	End	47762
Name	OJ991211_33.0308.C24.o4.ts	Method	TBLASTX:Soybean
Start	47350	End	47762
GI	none	Score	130
Exons	47350..47487, 47352..47483, 47508..47762, 47509..47760		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o12.ts	Method	TBLASTX:Soybean
Start	48214	End	48613
GI	none	Score	57
Exons	48214..48342, 48326..48613		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o8.tw	Method	TBLASTX:Wheat
Start	48371	End	48784
GI	none	Score	195
Exons	48371..48784, 48394..48615, 48692..48784		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o7.tm	Method	TBLASTX:Maize
Start	48521	End	56490
GI	none	Score	80
Exons	48521..48691, 56056..56490, 56265..56417		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o10.tw	Method	TBLASTX:Wheat
Start	48792	End	49169
GI	none	Score	182
Exons	48792..49169, 48962..49135		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o8.ts	Method	TBLASTX:Soybean
Start	48945	End	49190
GI	none	Score	221
Exons	48945..49190, 48945..49079, 48956..49186		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o5.tw	Method	TBLASTX:Wheat
Start	54586	End	54972
GI	none	Score	354
Exons	54586..54972, 54597..54971		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o3.tm	Method	TBLASTX:Maize
Start	54721	End	55034
GI	none	Score	366
Exons	54721..55032, 54729..55034		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o2.tm	Method	TBLASTX:Maize
Start	55533	End	55855
GI	none	Score	268
Exons	55533..55787, 55540..55854, 55560..55853, 55688..55855		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24

Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o10.ts	Method	TBLASTX:Soybean
Start	55882	End	56268
GI	none	Score	88
Exons	55882..56037, 56020..56268		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o6.tw	Method	TBLASTX:Wheat
Start	56133	End	56325
GI	none	Score	131
Exons	56133..56324, 56134..56325, 56134..56325		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o3.ts	Method	TBLASTX:Soybean
Start	56278	End	56676
GI	none	Score	196
Exons	56278..56502, 56286..56456, 56503..56676, 56511..56549		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84329	Strand	
Start	48214	End	57081
Name	OJ991211_33.0308.C24.o1.tw	Method	TBLASTX:Wheat
Start	56326	End	57081
GI	none	Score	626
Exons	56326..56790, 56333..56782, 56334..56813, 56834..57064, 56842..57081, 56864..57061, 56922..57080		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o1.ts	Method	TBLASTX:Soybean
Start	57001	End	57465
GI	5509260	Score	383
Exons	57001..57465, 57102..57170, 57219..57314, 57387..57446		
GI Descrip.	-		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o1.tc	Method	TBLASTX:Cress
Start	57094	End	57354
GI	none	Score	286
Exons	57094..57354		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o4.tm	Method	TBLASTX:Maize
Start	57135	End	57600
GI	none	Score	361
Exons	57135..57317, 57136..57600, 57387..57497		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o4.tw	Method	TBLASTX:Wheat
Start	57136	End	57681
GI	none	Score	319
Exons	57136..57480, 57283..57456, 57475..57681, 57549..57671		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o2.ts	Method	TBLASTX:Soybean
Start	57534	End	57879
GI	none	Score	314
Exons	57534..57734, 57535..57879		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o6.tm	Method	TBLASTX:Maize
Start	57690	End	58029
GI	none	Score	318
Exons	57690..58028, 57691..58029		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o2.tw	Method	TBLASTX:Wheat
Start	57885	End	58361
GI	none	Score	101
Exons	57885..57956, 57886..57960, 57974..58282, 57975..58361, 57976..58323		

Seq. No.	40712	Seq. ID	OJ991211_33.0308.C24
Gene No.	84330	Strand	
Start	57001	End	58361
Name	OJ991211_33.0308.C24.o6.ts	Method	TBLASTX:Soybean
Start	57892	End	58233
GI	none	Score	91
Exons	57892..58005, 57918..57998, 58024..58233, 58029..58154		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84331	Strand	+
Start	3461	End	8839
Name	OJ991211_33.0308.C25.o1.np	Method	AAT/NAP
Start	3461	End	8839
GI	5042463	Score	156
Exons	3461..3498, 5259..5461, 6164..6310, 6355..6469, 8793..8839		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84332	Strand	+
Start	21166	End	21615
Name	OJ991211_33.0308.C25.o4.gs	Method	GENSCAN
Start	21166	End	21615
GI	none	Score	.96
Exons	21166..21615		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84333	Strand	+
Start	24663	End	27267
Name	OJ991211_33.0308.C25.o5.gs	Method	GENSCAN
Start	24663	End	27267
GI	none	Score	.7
Exons	24663..25925, 26011..27267		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84333	Strand	+
Start	24663	End	27267
Name	OJ991211_33.0308.C25.o4.np	Method	AAT/NAP
Start	24701	End	27255
GI	4558666	Score	1482
Exons	24701..25925, 26011..27255		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84334	Strand	+
Start	35524	End	37722
Name	OJ991211_33.0308.C25.o5.np	Method	AAT/NAP
Start	35524	End	37722
GI	6498423	Score	277
Exons	35524..35770, 35888..36225, 37631..37722		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84335	Strand	-
Start	4366	End	15686
Name	OJ991211_33.0308.C25.o2.gs	Method	GENSCAN
Start	4366	End	15686
GI	none	Score	.7
Exons	4366..4515, 4604..4803, 7745..7802, 8128..8255, 10552..10670, 10805..10893, 11262..11355, 11782..11978, 12026..12146, 12335..12402, 12591..12662, 13258..13388, 13786..14021, 15352..15686		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84335	Strand	-
Start	4366	End	15686
Name	OJ991211_33.0308.C25.o1.gp	Method	AAT/GAP
Start	10440	End	12089
GI	13238_1.R1084	Score	1202
Exons	10440..10872, 11262..11384, 11466..11531, 12026..12089		
GI Descrip.	'3786005 6.0e-42 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]'		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84335	Strand	-
Start	4366	End	15686
Name	OJ991211_33.0308.C25.o2.np	Method	AAT/NAP
Start	10804	End	15674
GI	3786005	Score	1403
Exons	10804..10872, 11262..11384, 11466..11531, 12026..12146, 12335..12402, 12591..12662, 13193..13374, 13786..14021, 15352..15674		

GI Descrip. (AC005499) putative phospholipid cytidylyltransferase [Arabidopsis thaliana]

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84335	Strand	-
Start	4366	End	15686
Name	OJ991211_33.0308.C25.o2.gp	Method	AAT/GAP
Start	12325	End	13900
GI	LIB3432-052-P1-K1-C8	Score	771
Exons	12325..12402, 12591..12662, 13193..13374, 13786..13900		
GI Descrip.	'3786005 1.0e-60 (AC005499) putative phosphoethanolamine cytidylyltransferase [Arabidopsis thaliana]'		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84336	Strand	-
Start	17313	End	20269
Name	OJ991211_33.0308.C25.o3.gs	Method	GENSCAN
Start	17313	End	20269
GI	none	Score	.98
Exons	17313..17483, 17645..17759, 18035..18126, 18233..18318, 18755..18854, 19978..20008, 20214..20269		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84336	Strand	-
Start	17313	End	20269
Name	OJ991211_33.0308.C25.o3.np	Method	AAT/NAP
Start	17316	End	19963
GI	3687235	Score	434
Exons	17316..17483, 17645..17759, 18035..18126, 18233..18318, 18755..18854, 19874..19963		
GI Descrip.	(AC005169) copia-like retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84337	Strand	-
Start	28054	End	28812
Name	OJ991211_33.0308.C25.o6.gs	Method	GENSCAN
Start	28054	End	28812
GI	none	Score	.52
Exons	28054..28600, 28712..28812		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o1.ts	Method	TBLASTX:Soybean
Start	10801	End	15828
GI	none	Score	171
Exons	10801..10875, 11262..11387, 11263..11385, 11466..11531, 11470..11532, 11472..11531, 12011..12124, 12014..12148, 12020..12148, 12027..12149, 12325..12396, 12335..12403, 12337..12402, 12588..12665, 12590..12670, 12591..12665, 12592..12669, 13188..13325, 13193..13342, 13194..13340, 13325..13393, 13775..13891, 13784..14023, 13785..14015, 13786..14016, 15351..15506, 15352..15492, 15378..15506, 15585..15662, 15586..15642, 15591..15668, 15790..15828		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25

Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o3.tm	Method	TBLASTX:Maize
Start	10801	End	15828
GI	none	Score	171
Exons	10801..10875, 11262..11387, 11263..11385, 11466..11531, 11470..11532, 11472..11531, 12325..12396, 12335..12403, 12337..12402, 12588..12665, 12591..12665, 12592..12669, 13188..13325, 13193..13342, 13194..13340, 13270..13380, 13344..13394, 15351..15506, 15352..15492, 15378..15506, 15585..15662, 15586..15642, 15591..15668, 15790..15828		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o2.tc	Method	TBLASTX:Cress
Start	11466	End	13934
GI	none	Score	101
Exons	11466..11531, 11996..12139, 12020..12148, 12027..12149, 12027..12152, 12028..12153, 12335..12403, 12337..12402, 12588..12665, 12592..12663, 12592..12669, 13193..13282, 13203..13283, 13256..13396, 13266..13394, 13784..13933, 13785..13817, 13836..13934		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o2.tm	Method	TBLASTX:Maize
Start	12011	End	14044
GI	none	Score	337
Exons	12011..12112, 13784..14044, 13785..14024		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o1.tc	Method	TBLASTX:Cress
Start	15345	End	15656
GI	none	Score	129
Exons	15345..15506, 15346..15492, 15591..15656		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o1.tw	Method	TBLASTX:Wheat
Start	15456	End	15786
GI	none	Score	59
Exons	15456..15506, 15460..15492, 15546..15674, 15586..15642, 15594..15671, 15721..15786		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o4.tm	Method	TBLASTX:Maize
Start	17313	End	19967
GI	none	Score	96
Exons	17313..17375, 17369..17452, 17444..17485, 17637..17717, 17643..17708, 17645..17755, 17645..17758, 17993..18130,		

18022..18126, 18227..18319, 18243..18320, 18754..18855,
18756..18857, 19875..19931, 19914..19967

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o2.ts	Method	TBLASTX:Soybean
Start	17637	End	18857
GI	none	Score	92
Exons	17637..17717, 17645..17755, 17645..17758, 17716..17736, 18022..18126, 18204..18320, 18212..18319, 18759..18857		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o3.tc	Method	TBLASTX:Cress
Start	17637	End	18857
GI	none	Score	92
Exons	17637..17717, 17645..17755, 17645..17758, 18022..18126, 18047..18127, 18204..18320, 18212..18319, 18759..18857		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o5.tc	Method	TBLASTX:Cress
Start	24897	End	25295
GI	none	Score	159
Exons	24897..25124, 25203..25295		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o4.ts	Method	TBLASTX:Soybean
Start	25545	End	25739
GI	none	Score	190
Exons	25545..25739, 25595..25738		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o3.ts	Method	TBLASTX:Soybean
Start	25829	End	26303
GI	none	Score	81
Exons	25829..25912, 25845..25928, 26011..26295, 26154..26303		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o1.tm	Method	TBLASTX:Maize
Start	26403	End	26751
GI	none	Score	467
Exons	26403..26750, 26404..26751		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o4.tc	Method	TBLASTX:Cress

Start	26422	End	26727
GI	none	Score	168
Exons	26422..26661, 26683..26727		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o2.tw	Method	TBLASTX:Wheat
Start	27024	End	27147
GI	none	Score	180
Exons	27024..27146, 27025..27147		

Seq. No.	40713	Seq. ID	OJ991211_33.0308.C25
Gene No.	84338	Strand	-
Start	35674	End	36262
Name	OJ991211_33.0308.C25.o6.np	Method	AAT/NAP
Start	35674	End	36262
GI	6523547	Score	63
Exons	35674..35876, 35990..36262		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o1.np	Method	AAT/NAP
Start	948	End	4031
GI	7228457	Score	4756
Exons	948..1319, 1381..3311, 3375..4031		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o3.tw	Method	TBLASTX:Wheat
Start	1602	End	1994
GI	none	Score	58
Exons	1602..1649, 1656..1754, 1661..1753, 1721..1960, 1737..1994		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o2.tm	Method	TBLASTX:Maize
Start	1607	End	1892
GI	none	Score	197
Exons	1607..1891, 1644..1892		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o2.tw	Method	TBLASTX:Wheat
Start	2732	End	3191
GI	none	Score	407
Exons	2732..2869, 2733..3191, 2927..3187		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o1.tw	Method	TBLASTX:Wheat
Start	3383	End	3845
GI	none	Score	572
Exons	3383..3838, 3384..3845, 3384..3839		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o1.ts	Method	TBLASTX:Soybean
Start	3423	End	3788
GI	none	Score	121
Exons	3423..3647, 3654..3788		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o1.tm	Method	TBLASTX:Maize
Start	3513	End	3869
GI	none	Score	383
Exons	3513..3869, 3548..3859, 3564..3869		

Seq. No.	40714	Seq. ID	OJ991211_33.0308.C26
Gene No.	84339	Strand	+
Start	948	End	4031
Name	OJ991211_33.0308.C26.o4.tw	Method	TBLASTX:Wheat
Start	3846	End	4031
GI	none	Score	199
Exons	3846..4031, 3854..4030		

Seq. No.	40715	Seq. ID	OJ991021_14.0303.C1
Gene No.	84340	Strand	-
Start	1	End	165
Name	OJ991021_14.0303.C1.o1.gp	Method	AAT/GAP
Start	1	End	165
GI	2311927	Score	242
Exons	1..165		

Seq. No.	40715	Seq. ID	OJ991021_14.0303.C1
Gene No.	84341	Strand	-
Start	700	End	2084
Name	OJ991021_14.0303.C1.o1.gs	Method	GENSCAN
Start	700	End	2084
GI	none	Score	.77
Exons	700..1139, 1449..1503, 1809..2084		

Seq. No.	40715	Seq. ID	OJ991021_14.0303.C1
Gene No.	84341	Strand	-
Start	700	End	2084
Name	OJ991021_14.0303.C1.o1.np	Method	AAT/NAP
Start	712	End	1028
GI	2501448	Score	151
Exons	712..1028		
GI Descrip.	UBIQUITIN-LIKE PROTEIN SMT3 gi|1707372|emb|CAA67923| (X99609) ubiquitin-like protein [Arabidopsis thaliana]		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84342	Strand	+
Start	600	End	1425
Name	OJ991021_14.0303.C2.o1.gs	Method	GENSCAN
Start	600	End	1425
GI	none	Score	.73
Exons	600..646, 1365..1425		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84343	Strand	+
Start	2586	End	4147
Name	OJ991021_14.0303.C2.o1.np	Method	AAT/NAP
Start	2586	End	4147
GI	6714351	Score	392
Exons	2586..2646, 2950..4147		
GI Descrip.	(AC015986) putative receptor kinase [Arabidopsis thaliana]		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84343	Strand	+
Start	2586	End	4147
Name	OJ991021_14.0303.C2.o2.gs	Method	GENSCAN
Start	2877	End	4119
GI	none	Score	1
Exons	2877..4119		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84343	Strand	+
Start	2586	End	4147
Name	OJ991021_14.0303.C2.o1.tm	Method	TBLASTX:Maize
Start	3012	End	3403
GI	none	Score	71
Exons	3012..3128, 3113..3232, 3192..3236, 3206..3403, 3222..3398		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84343	Strand	+
Start	2586	End	4147
Name	OJ991021_14.0303.C2.o1.ts	Method	TBLASTX:Soybean
Start	3756	End	4130
GI	none	Score	138
Exons	3756..3938, 3866..3946, 3944..4120, 3954..4130		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84343	Strand	+
Start	2586	End	4147
Name	OJ991021_14.0303.C2.o1.tc	Method	TBLASTX:Cress
Start	3786	End	4124
GI	none	Score	114
Exons	3786..3959, 3972..4124		

Seq. No.	40716	Seq. ID	OJ991021_14.0303.C2
Gene No.	84343	Strand	+
Start	2586	End	4147
Name	OJ991021_14.0303.C2.o2.tm	Method	TBLASTX:Maize
Start	3798	End	4103
GI	none	Score	209
Exons	3798..4103		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84344	Strand	+
Start	52	End	468
Name	OJ991021_14.0303.C3.o1.gs	Method	GENSCAN
Start	52	End	468
GI	none	Score	.98
Exons	52..468		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84345	Strand	+
Start	1813	End	5686
Name	OJ991021_14.0303.C3.o2.gs	Method	GENSCAN
Start	1813	End	5686
GI	none	Score	.4
Exons	1813..2034, 3961..4259, 4758..4898, 5521..5686		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84346	Strand	-
Start	1	End	6677
Name	OJ991021_14.0303.C3.o1.np	Method	AAT/NAP
Start	1	End	6576
GI	6681183	Score	100
Exons	1..194, 316..374, 4436..4656, 6172..6261, 6437..6576		
GI Descrip.	diaphanous homolog 1 (Drosophila) gi|6014968|sp|O08808|DIA1_MOUSE DIAPHANOUS PROTEIN HOMOLOG 1 (P140MDIA) gi|2114473 (U96963) p140mDia [Mus musculus]		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84346	Strand	-
Start	1	End	6677
Name	OJ991021_14.0303.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	168
GI	none	Score	185
Exons	1..126, 1..126, 138..167, 139..168		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84346	Strand	-
Start	1	End	6677
Name	OJ991021_14.0303.C3.o1.gp	Method	AAT/GAP
Start	5933	End	6403
GI	2799048	Score	625
Exons	5933..6403		
GI Descrip.	3402815/emb|AJ007829|CVE7829 9.0e-19 Cloning Vector pGreen		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84346	Strand	-
Start	1	End	6677
Name	OJ991021_14.0303.C3.o3.gs	Method	GENSCAN
Start	6182	End	6677
GI	none	Score	.71
Exons	6182..6403, 6516..6677		

Seq. No.	40717	Seq. ID	OJ991021_14.0303.C3
Gene No.	84346	Strand	-
Start	1	End	6677
Name	OJ991021_14.0303.C3.o2.gp	Method	AAT/GAP

Start	6204	End	6417
GI	2280866	Score	348
Exons	6204..6417		

Seq. No.	40718	Seq. ID	OJ991021_14.0303.C4
Gene No.	84347	Strand	+
Start	15	End	4691
Name	OJ991021_14.0303.C4.o1.gs	Method	GENSCAN
Start	15	End	4394
GI	none	Score	.82
Exons	15..221, 242..304, 355..420, 1290..1376, 1464..1562, 1869..1950, 2578..2645, 3572..3706, 4117..4181, 4328..4394		

Seq. No.	40718	Seq. ID	OJ991021_14.0303.C4
Gene No.	84347	Strand	+
Start	15	End	4691
Name	OJ991021_14.0303.C4.o1.np	Method	AAT/NAP
Start	18	End	4379
GI	7381225	Score	645
Exons	18..178, 355..420, 1290..1376, 1464..1562, 1869..1964, 2089..2154, 2241..2331, 2578..2645, 2744..2809, 3656..3706, 4117..4181, 4328..4379		
GI Descrip.	(AF139187) root border cell-specific protein [Pisum sativum]		

Seq. No.	40718	Seq. ID	OJ991021_14.0303.C4
Gene No.	84347	Strand	+
Start	15	End	4691
Name	OJ991021_14.0303.C4.o1.gp	Method	AAT/GAP
Start	59	End	4691
GI	10634_1.R1084	Score	2570
Exons	59..221, 355..420, 1290..1376, 1464..1562, 1869..2154, 2241..2331, 2578..2645, 2744..2809, 3656..3706, 4117..4181, 4328..4691		
GI Descrip.	'6006853/gb|AAF00629.1|AC009540_6 1.0e-62 (AC009540) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40718	Seq. ID	OJ991021_14.0303.C4
Gene No.	84348	Strand	-
Start	4770	End	4837
Name	OJ991021_14.0303.C4.o1.tc	Method	TBLASTX:Cress
Start	1289	End	1928
GI	none	Score	97
Exons	1289..1375, 1290..1382, 1461..1562, 1461..1556, 1462..1563, 1469..1603, 1475..1570, 1866..1928		

Seq. No.	40718	Seq. ID	OJ991021_14.0303.C4
Gene No.	84348	Strand	-
Start	4770	End	4837
Name	OJ991021_14.0303.C4.o1.ts	Method	TBLASTX:Soybean
Start	1289	End	4361
GI	none	Score	121
Exons	1289..1372, 1290..1382, 1469..1603, 1473..1562, 1866..1967, 1871..1975, 1931..1969, 2088..2156, 2089..2169, 2240..2329, 2241..2330, 2570..2638, 2571..2642, 2744..2806, 2749..2805, 3656..3706, 4083..4187, 4111..4200, 4326..4361		

Seq. No.	40718	Seq. ID	OJ991021_14.0303.C4

Gene No.	84348	Strand	-
Start	4770	End	4837
Name	OJ991021_14.0303.C4.o2.gs	Method	GENSCAN
Start	4770	End	4837
GI	none	Score	.45
Exons	4770..4837		

Seq. No.	40719	Seq. ID	OJ991021_14.0303.C5
Gene No.	84349	Strand	+
Start	714	End	879
Name	OJ991021_14.0303.C5.o1.gs	Method	GENSCAN
Start	714	End	879
GI	none	Score	.88
Exons	714..879		

Seq. No.	40720	Seq. ID	OJ991021_14.0303.C7
Gene No.	84350	Strand	+
Start	37	End	173
Name	OJ991021_14.0303.C7.o1.gs	Method	GENSCAN
Start	37	End	173
GI	none	Score	.96
Exons	37..173		

Seq. No.	40721	Seq. ID	OJ991021_14.0303.C13
Gene No.	84351	Strand	+
Start	1	End	196
Name	OJ991021_14.0303.C13.o1.np	Method	AAT/NAP
Start	1	End	196
GI	6563285	Score	134
Exons	1..196		
GI Descrip.	(AF178976) adenosine-5'-phosphosulfate kinase [Zea mays]		

Seq. No.	40721	Seq. ID	OJ991021_14.0303.C13
Gene No.	84352	Strand	+
Start	101	End	762
Name	OJ991021_14.0303.C13.o1.gs	Method	GENSCAN
Start	101	End	762
GI	none	Score	.73
Exons	101..157, 347..373, 661..762		

Seq. No.	40721	Seq. ID	OJ991021_14.0303.C13
Gene No.	84353	Strand	-
Start	406	End	498
Name	OJ991021_14.0303.C13.o1.gp	Method	AAT/GAP
Start	406	End	498
GI	uC-osflM202046a04b1	Score	162
Exons	406..498		
GI Descrip.	'3236253 1.0e-58 (AC004684) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	40722	Seq. ID	OJ991021_14.0303.C14
Gene No.	84354	Strand	-
Start	246	End	304
Name	OJ991021_14.0303.C14.o1.gs	Method	GENSCAN
Start	246	End	304
GI	none	Score	.86
Exons	246..304		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84355	Strand	+
Start	86	End	6571
Name	OJ991021_14.0303.C15.o1.np	Method	AAT/NAP
Start	86	End	2701
GI	4101568	Score	998
Exons	86..185, 296..427, 1007..1141, 1516..1581, 1669..1779, 2109..2201, 2427..2534, 2627..2701		
GI Descrip.	(AF004816) unknown [Triticum aestivum]		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84355	Strand	+
Start	86	End	6571
Name	OJ991021_14.0303.C15.o1.gs	Method	GENSCAN
Start	99	End	6571
GI	none	Score	.61
Exons	99..185, 296..427, 1007..1141, 1516..1581, 1669..1779, 2109..2201, 2492..2668, 4302..4501, 4630..4772, 6402..6571		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84356	Strand	+
Start	6625	End	11065
Name	OJ991021_14.0303.C15.o2.np	Method	AAT/NAP
Start	6625	End	11062
GI	7486426	Score	1253
Exons	6625..6692, 7908..7950, 8720..8806, 8913..9164, 9273..9437, 9771..9824, 9980..10126, 10688..11062		
GI Descrip.	hypothetical protein F4I1.2 - Arabidopsis thaliana gi|3128168|gb|AAC16072.1| (AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84356	Strand	+
Start	6625	End	11065
Name	OJ991021_14.0303.C15.o1.gp	Method	AAT/GAP
Start	7679	End	10986
GI	55383_1.R1084	Score	2332
Exons	7679..7950, 8720..8806, 8913..9164, 9273..9437, 9771..9824, 9980..10126, 10688..10986		
GI Descrip.	'4874273/gb|AAD31338.1|AC007354_11 1.0e-100 (AC007354) Similar to gi_3128199 F4I1.5 putative proteinase from Arabidopsis thaliana BAC gb_AC004521'		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84356	Strand	+
Start	6625	End	11065
Name	OJ991021_14.0303.C15.o2.gs	Method	GENSCAN
Start	7741	End	11065
GI	none	Score	.89
Exons	7741..7950, 8913..9164, 9273..9437, 9771..9824, 9980..10126, 10169..10310, 10776..11065		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84357	Strand	-
Start	11143	End	11434
Name	OJ991021_14.0303.C15.o2.gp	Method	AAT/GAP

Start	11143	End	11434
GI	5803512	Score	556
Exons	11143..11434		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o2.tm	Method	TBLASTX:Maize
Start	82	End	1141
GI	none	Score	106
Exons	82..186, 87..200, 90..188, 100..189, 295..432, 296..427, 1028..1090, 1112..1141		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o3.ts	Method	TBLASTX:Soybean
Start	87	End	2704
GI	none	Score	135
Exons	87..185, 90..185, 299..427, 301..432, 1516..1581, 1517..1582, 1662..1778, 1666..1779, 1667..1780, 1668..1781, 2109..2162, 2166..2201, 2424..2459, 2425..2445, 2469..2537, 2480..2536, 2614..2703, 2615..2704		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o3.tc	Method	TBLASTX:Cress
Start	1516	End	1780
GI	none	Score	73
Exons	1516..1581, 1656..1769, 1666..1779, 1667..1780		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o3.tm	Method	TBLASTX:Maize
Start	1519	End	2704
GI	none	Score	38
Exons	1519..1554, 1666..1779, 1667..1780, 1671..1778, 2109..2156, 2166..2201, 2424..2537, 2426..2536, 2606..2704, 2626..2703		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o1.tc	Method	TBLASTX:Cress
Start	8717	End	9356
GI	none	Score	153
Exons	8717..8809, 8719..8790, 8910..8969, 8967..9164, 8984..9157, 8997..9164, 9270..9356, 9272..9340		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o1.tm	Method	TBLASTX:Maize
Start	8717	End	11057
GI	none	Score	154
Exons	8717..8806, 8719..8802, 8904..8975, 8915..8956, 8984..9106,		

8991..9104, 8992..9105, 9038..9163, 9042..9164, 9126..9164,
9270..9440, 9272..9442, 9285..9443, 9767..9823, 9768..9824,
9979..10128, 9980..10126, 9984..10127, 9985..10128,
10683..10919, 10685..11032, 10686..11057, 10687..11019

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o2.tw	Method	TBLASTX:Wheat
Start	8717	End	9121
GI	none	Score	149
Exons	8717..8809, 8719..8802, 8904..8981, 8910..8948, 8964..9119, 8977..9120, 8978..9121, 8978..9115		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o2.ts	Method	TBLASTX:Soybean
Start	8717	End	9164
GI	none	Score	137
Exons	8717..8806, 8719..8790, 8910..8990, 8985..9164, 8996..9157		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o1.ts	Method	TBLASTX:Soybean
Start	9270	End	11079
GI	none	Score	292
Exons	9270..9440, 9272..9442, 9767..9823, 9768..9824, 9979..10128, 9980..10126, 9983..10138, 10683..10973, 10685..11032, 10687..11016, 10771..11079		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o3.tw	Method	TBLASTX:Wheat
Start	9332	End	10730
GI	none	Score	81
Exons	9332..9397, 9333..9401, 9333..9398, 9401..9439, 9764..9823, 9768..9824, 9937..10128, 9983..10126, 10683..10730, 10685..10729		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o2.tc	Method	TBLASTX:Cress
Start	9979	End	10990
GI	none	Score	213
Exons	9979..10080, 9980..10126, 10683..10853, 10685..10990, 10687..10989		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o1.tw	Method	TBLASTX:Wheat
Start	10801	End	11067
GI	none	Score	362
Exons	10801..11016, 10802..11032, 10805..11035, 10807..11067		

Seq. No.	40723	Seq. ID	OJ991021_14.0303.C15
Gene No.	84358	Strand	-
Start	13095	End	13466
Name	OJ991021_14.0303.C15.o3.gs	Method	GENSCAN
Start	13095	End	13466
GI	none	Score	.64
Exons	13095..13167, 13294..13466		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84359	Strand	-
Start	49	End	2153
Name	OJ991021_14.0303.C16.o1.gs	Method	GENSCAN
Start	49	End	2153
GI	none	Score	.67
Exons	49..116, 908..1035, 2002..2153		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o1.tc	Method	TBLASTX:Cress
Start	840	End	1161
GI	none	Score	134
Exons	840..1046, 840..1037, 1123..1161, 1125..1160		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o1.tw	Method	TBLASTX:Wheat
Start	846	End	1034
GI	none	Score	107
Exons	846..974, 858..962, 951..1034, 972..1034		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o2.tm	Method	TBLASTX:Maize
Start	850	End	1178
GI	none	Score	224
Exons	850..1035, 864..1034, 867..1037, 1116..1178, 1117..1176		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o2.ts	Method	TBLASTX:Soybean
Start	858	End	1163
GI	none	Score	104
Exons	858..1079, 862..1035, 873..1049, 1104..1163		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o2.gs	Method	GENSCAN
Start	3045	End	4166
GI	none	Score	.5
Exons	3045..3158, 4118..4166		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o1.ts	Method	TBLASTX:Soybean
Start	3081	End	4796
GI	none	Score	59
Exons	3081..3155, 3090..3158, 3113..3157, 3225..3347, 3228..3353, 3253..3357, 3256..3354, 4125..4175, 4125..4169, 4254..4340, 4256..4315, 4396..4530, 4405..4530, 4406..4534, 4419..4538, 4620..4667, 4625..4666, 4767..4796, 4770..4790		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o3.tm	Method	TBLASTX:Maize
Start	3089	End	3342
GI	none	Score	93
Exons	3089..3157, 3093..3161, 3250..3342, 3251..3334, 3255..3341		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o1.np	Method	AAT/NAP
Start	3113	End	4461
GI	7488414	Score	332
Exons	3113..3158, 3247..3341, 4118..4166, 4254..4313, 4406..4461		
GI Descrip.	UDP-galactose transport protein homolog F23E12.100 - Arabidopsis thaliana gi|3080416|emb|CAA18735.1| (AL022604) UDP-galactose transporter-like protein [Arabidopsis thaliana] gi|7270486|emb|CAB80251.1| (AL161587) UDP-galactose transporter-like protein [Arabidopsis thaliana]		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o2.tc	Method	TBLASTX:Cress
Start	3119	End	4494
GI	none	Score	66
Exons	3119..3160, 3120..3158, 3246..3350, 3247..3342, 4115..4168, 4116..4175, 4116..4169, 4254..4301, 4256..4315, 4405..4494, 4406..4492		

Seq. No.	40724	Seq. ID	OJ991021_14.0303.C16
Gene No.	84360	Strand	-
Start	3045	End	4817
Name	OJ991021_14.0303.C16.o1.tm	Method	TBLASTX:Maize
Start	4254	End	4817
GI	none	Score	71
Exons	4254..4316, 4256..4339, 4256..4315, 4269..4328, 4396..4524, 4398..4505, 4405..4530, 4406..4534, 4620..4667, 4623..4664, 4624..4680, 4625..4666, 4765..4809, 4767..4814, 4767..4817		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o1.tc	Method	TBLASTX:Cress
Start	283	End	1842

GI	none	Score	87
Exons	283..375, 288..374, 471..593, 472..594, 729..884, 733..885, 1728..1832, 1732..1842, 1749..1841		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o1.tm	Method	TBLASTX:Maize
Start	283	End	610
GI	none	Score	131
Exons	283..375, 288..374, 471..593, 472..594, 488..610		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o1.np	Method	AAT/NAP
Start	289	End	2799
GI	6563285	Score	664
Exons	289..374, 474..587, 735..883, 1733..1888, 2581..2799		
GI Descrip.	(AF178976) adenosine-5'-phosphosulfate kinase [Zea mays]		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o1.gs	Method	GENSCAN
Start	343	End	5733
GI	none	Score	.71
Exons	343..374, 518..592, 734..883, 1733..1882, 2515..2634, 5721..5733		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o1.ts	Method	TBLASTX:Soybean
Start	522	End	1838
GI	none	Score	84
Exons	522..593, 523..594, 729..884, 733..885, 733..885, 734..904, 1728..1832, 1732..1833, 1749..1838		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o2.tm	Method	TBLASTX:Maize
Start	727	End	891
GI	none	Score	207
Exons	727..891, 729..884, 733..885		

Seq. No.	40725	Seq. ID	OJ991021_14.0303.C18
Gene No.	84361	Strand	-
Start	289	End	5733
Name	OJ991021_14.0303.C18.o3.tm	Method	TBLASTX:Maize
Start	1729	End	1877
GI	none	Score	189
Exons	1729..1866, 1729..1872, 1749..1877		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84362	Strand	-
Start	76	End	450

Name	OJ991021_14.0303.C19.o1.gp	Method	AAT/GAP
Start	76	End	450
GI	none	Score	680
Exons	76..450		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84363	Strand	-
Start	3239	End	3729
Name	OJ991021_14.0303.C19.o1.tc	Method	TBLASTX:Cress
Start	3186	End	3701
GI	none	Score	66
Exons	3186..3299, 3231..3389, 3233..3694, 3314..3349, 3333..3701		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84363	Strand	-
Start	3239	End	3729
Name	OJ991021_14.0303.C19.o1.tw	Method	TBLASTX:Wheat
Start	3213	End	3598
GI	none	Score	66
Exons	3213..3299, 3218..3598, 3333..3587		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84363	Strand	-
Start	3239	End	3729
Name	OJ991021_14.0303.C19.o1.tm	Method	TBLASTX:Maize
Start	3239	End	3698
GI	none	Score	60
Exons	3239..3697, 3243..3299, 3333..3698		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84363	Strand	-
Start	3239	End	3729
Name	OJ991021_14.0303.C19.o2.gs	Method	GENSCAN
Start	3239	End	3729
GI	none	Score	.58
Exons	3239..3729		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84363	Strand	-
Start	3239	End	3729
Name	OJ991021_14.0303.C19.o1.ts	Method	TBLASTX:Soybean
Start	3239	End	3698
GI	none	Score	137
Exons	3239..3697, 3243..3500, 3528..3698		

Seq. No.	40726	Seq. ID	OJ991021_14.0303.C19
Gene No.	84363	Strand	-
Start	3239	End	3729
Name	OJ991021_14.0303.C19.o1.np	Method	AAT/NAP
Start	3242	End	3694
GI	464705	Score	594
Exons	3242..3694		
GI Descrip.	40S RIBOSOMAL PROTEIN S13 gi|419802|pir||S30146 ribosomal protein S13, cytosolic - maize gi|288059|emb|CAA44311.1| (X62455) cytoplasmatic ribosomal protein S13 [Zea mays]		

Seq. No.	40727	Seq. ID	OJ991021_14.0303.C20

Gene No.	84364	Strand	+
Start	374	End	535
Name	OJ991021_14.0303.C20.o1.gs	Method	GENSCAN
Start	374	End	535
GI	none	Score	.82
Exons	374..535		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.gp	Method	AAT/GAP
Start	172	End	3304
GI	3450841	Score	4591
Exons	172..1346, 1449..1881, 1991..2148, 2261..2481, 2700..2927, 3015..3052, 3145..3304		
GI Descrip.	3450842 0.0e+00 (AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o4.tm	Method	TBLASTX:Maize
Start	328	End	582
GI	none	Score	36
Exons	328..348, 329..349, 370..501, 370..507, 371..511, 496..582, 497..559, 505..561		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.gs	Method	GENSCAN
Start	394	End	6085
GI	none	Score	.75
Exons	394..1346, 1449..1881, 1991..2148, 2261..2394, 2700..2927, 3015..3052, 3145..3291, 5216..5386, 5737..5780, 5896..5968, 6014..6085		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.tw	Method	TBLASTX:Wheat
Start	424	End	811
GI	none	Score	104
Exons	424..504, 424..504, 479..550, 514..549, 607..696, 611..700, 612..659, 625..696, 706..810, 706..810, 722..811, 722..811		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.np	Method	AAT/NAP
Start	476	End	3225
GI	7489544	Score	3380
Exons	476..1346, 1449..1881, 1991..2148, 2261..2481, 2700..2927, 3015..3052, 3145..3225		
GI Descrip.	probable mitogen activated protein kinase - rice gi|3450842|gb|AAC32599.1| (AF080436) mitogen activated protein kinase kinase [Oryza sativa]		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.tm	Method	TBLASTX:Maize
Start	610	End	1341
GI	none	Score	260
Exons	610..843, 612..956, 626..961, 955..1341, 960..1340		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o2.tc	Method	TBLASTX:Cress
Start	1027	End	1546
GI	none	Score	121
Exons	1027..1068, 1087..1347, 1166..1351, 1221..1361, 1447..1545, 1448..1546		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o3.ts	Method	TBLASTX:Soybean
Start	1171	End	1644
GI	none	Score	117
Exons	1171..1347, 1172..1351, 1447..1545, 1448..1546, 1606..1644		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o2.tm	Method	TBLASTX:Maize
Start	1447	End	2749
GI	none	Score	98
Exons	1447..1527, 1747..1881, 1760..1882, 1997..2152, 1998..2150, 2259..2480, 2299..2472, 2304..2480, 2702..2749		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.tc	Method	TBLASTX:Cress
Start	1648	End	2477
GI	none	Score	98
Exons	1648..1704, 1727..1858, 1750..1875, 1991..2152, 1992..2150, 2235..2441, 2259..2477, 2299..2472		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o1.ts	Method	TBLASTX:Soybean
Start	1747	End	2352
GI	none	Score	154
Exons	1747..1881, 1748..1882, 1991..2152, 1992..2156, 2167..2352, 2259..2351		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o4.ts	Method	TBLASTX:Soybean

Start	2359	End	2507
GI	none	Score	160
Exons	2359..2487, 2361..2489, 2364..2507		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o2.ts	Method	TBLASTX:Soybean
Start	2676	End	3068
GI	none	Score	108
Exons	2676..2858, 2684..2926, 2706..2810, 2783..2863, 2877..2954, 3012..3068, 3014..3064		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o3.tc	Method	TBLASTX:Cress
Start	2732	End	3192
GI	none	Score	78
Exons	2732..2926, 2736..2810, 2780..2863, 2874..2924, 3014..3055, 3015..3053, 3145..3192, 3149..3184		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o3.tm	Method	TBLASTX:Maize
Start	2750	End	3204
GI	none	Score	124
Exons	2750..2827, 2750..2824, 2828..2863, 2828..2953, 2874..2954, 3009..3053, 3012..3050, 3013..3060, 3145..3204, 3146..3187		

Seq. No.	40728	Seq. ID	OJ991021_14.0303.C21
Gene No.	84365	Strand	-
Start	172	End	6757
Name	OJ991021_14.0303.C21.o2.np	Method	AAT/NAP
Start	5333	End	6757
GI	5042454	Score	74
Exons	5333..5386, 5726..5856, 6382..6527, 6683..6757		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84366	Strand	+
Start	4713	End	18348
Name	OJ991021_14.0303.C22.o2.np	Method	AAT/NAP
Start	4713	End	18348
GI	5931788	Score	38
Exons	4713..4985, 17759..17871, 18258..18348		
GI Descrip.	(AJ011619) SBP-domain protein 6 [Zea mays]		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o5.tm	Method	TBLASTX:Maize
Start	3531	End	3675
GI	none	Score	128
Exons	3531..3674, 3535..3675		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o1.np	Method	AAT/NAP
Start	3534	End	9549
GI	7228457	Score	8544
Exons	3534..5084, 5151..6110, 6233..7067, 7131..9063, 9170..9549		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o6.tw	Method	TBLASTX:Wheat
Start	3543	End	4145
GI	none	Score	77
Exons	3543..3668, 3547..3669, 3699..3758, 3855..4145, 3856..4140		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o3.tw	Method	TBLASTX:Wheat
Start	4146	End	4527
GI	none	Score	234
Exons	4146..4526, 4177..4527		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o2.tm	Method	TBLASTX:Maize
Start	4332	End	4664
GI	none	Score	83
Exons	4332..4544, 4341..4664, 4354..4620		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o8.tw	Method	TBLASTX:Wheat
Start	4857	End	5169
GI	none	Score	65
Exons	4857..5117, 5071..5169		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o5.tw	Method	TBLASTX:Wheat
Start	5172	End	5606
GI	none	Score	84
Exons	5172..5321, 5173..5310, 5365..5541, 5382..5606		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o1.ts	Method	TBLASTX:Soybean
Start	6039	End	6410
GI	none	Score	82

Exons	6039..6410, 6250..6393		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o2.tw	Method	TBLASTX:Wheat
Start	6069	End	6489
GI	none	Score	290
Exons	6069..6488, 6094..6489		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o3.tm	Method	TBLASTX:Maize
Start	6162	End	6546
GI	none	Score	220
Exons	6162..6545, 6181..6546		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o1.tm	Method	TBLASTX:Maize
Start	6573	End	6929
GI	none	Score	68
Exons	6573..6689, 6573..6929, 6583..6894		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o1.tw	Method	TBLASTX:Wheat
Start	6597	End	7060
GI	none	Score	211
Exons	6597..7058, 6603..7058, 6604..7059, 6617..7060		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o2.ts	Method	TBLASTX:Soybean
Start	6654	End	7019
GI	none	Score	117
Exons	6654..6788, 6795..7019		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o4.tw	Method	TBLASTX:Wheat
Start	7224	End	7716
GI	none	Score	166
Exons	7224..7514, 7255..7515, 7588..7716		
Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o7.tw	Method	TBLASTX:Wheat
Start	8455	End	8844
GI	none	Score	100
Exons	8455..8712, 8489..8728, 8695..8793, 8696..8776, 8800..8844		

Seq. No.	40729	Seq. ID	OJ991021_14.0303.C22
Gene No.	84367	Strand	-
Start	3534	End	9549
Name	OJ991021_14.0303.C22.o4.tm	Method	TBLASTX:Maize
Start	8557	End	8805
GI	none	Score	107
Exons	8557..8805, 8558..8803		

Seq. No.	40730	Seq. ID	OJ991021_14.0303.C23
Gene No.	84368	Strand	+
Start	434	End	901
Name	OJ991021_14.0303.C23.o1.gs	Method	GENSCAN
Start	434	End	901
GI	none	Score	.54
Exons	434..901		

Seq. No.	40730	Seq. ID	OJ991021_14.0303.C23
Gene No.	84369	Strand	+
Start	1851	End	2073
Name	OJ991021_14.0303.C23.o2.gs	Method	GENSCAN
Start	1851	End	2073
GI	none	Score	.74
Exons	1851..1882, 1953..2073		

Seq. No.	40730	Seq. ID	OJ991021_14.0303.C23
Gene No.	84370	Strand	-
Start	2815	End	4216
Name	OJ991021_14.0303.C23.o1.np	Method	AAT/NAP
Start	2815	End	4216
GI	5852093	Score	62
Exons	2815..2921, 4197..4216		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40730	Seq. ID	OJ991021_14.0303.C23
Gene No.	84370	Strand	-
Start	2815	End	4216
Name	OJ991021_14.0303.C23.o3.gs	Method	GENSCAN
Start	3377	End	3873
GI	none	Score	.74
Exons	3377..3478, 3790..3873		

Seq. No.	40731	Seq. ID	OJ991021_14.0303.C24
Gene No.	84371	Strand	-
Start	1	End	3311
Name	OJ991021_14.0303.C24.o1.np	Method	AAT/NAP
Start	1	End	3305
GI	5734743	Score	1046
Exons	1..162, 1983..3305		
GI Descrip.	(AC007651) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	40731	Seq. ID	OJ991021_14.0303.C24
Gene No.	84371	Strand	-
Start	1	End	3311
Name	OJ991021_14.0303.C24.o1.ts	Method	TBLASTX:Soybean
Start	29	End	2339
GI	none	Score	112

Exons	29..160, 33..161, 2056..2307, 2061..2309, 2065..2160, 2067..2339		
Seq. No.	40731	Seq. ID	OJ991021_14.0303.C24
Gene No.	84371	Strand	-
Start	1	End	3311
Name	OJ991021_14.0303.C24.o1.gs	Method	GENSCAN
Start	46	End	3311
GI	none	Score	.82
Exons	46..161, 2065..3311		
Seq. No.	40731	Seq. ID	OJ991021_14.0303.C24
Gene No.	84371	Strand	-
Start	1	End	3311
Name	OJ991021_14.0303.C24.o1.gp	Method	AAT/GAP
Start	258	End	843
GI	uC-osflcyp075e11b1	Score	1152
Exons	258..843		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 3.0e-98 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		
Seq. No.	40731	Seq. ID	OJ991021_14.0303.C24
Gene No.	84371	Strand	-
Start	1	End	3311
Name	OJ991021_14.0303.C24.o2.ts	Method	TBLASTX:Soybean
Start	2424	End	2654
GI	none	Score	142
Exons	2424..2474, 2466..2654, 2496..2654		
Seq. No.	40732	Seq. ID	OJ991021_14.0303.C25
Gene No.	84372	Strand	+
Start	177	End	480
Name	OJ991021_14.0303.C25.o1.gs	Method	GENSCAN
Start	177	End	480
GI	none	Score	.78
Exons	177..480		
Seq. No.	40732	Seq. ID	OJ991021_14.0303.C25
Gene No.	84373	Strand	+
Start	1462	End	1766
Name	OJ991021_14.0303.C25.o1.gp	Method	AAT/GAP
Start	1462	End	1766
GI	3769201	Score	566
Exons	1462..1766		
Seq. No.	40732	Seq. ID	OJ991021_14.0303.C25
Gene No.	84374	Strand	-
Start	1555	End	6021
Name	OJ991021_14.0303.C25.o2.gs	Method	GENSCAN
Start	1555	End	6021
GI	none	Score	.78
Exons	1555..2460, 2553..2690, 4089..4218, 4425..4592, 4594..4877, 4964..5018, 5454..5634, 5943..6021		
Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84375	Strand	+
Start	1	End	4440
Name	OJ991021_14.0303.C26.o1.gp	Method	AAT/GAP

Start	1	End	235
GI	5803488	Score	418
Exons	1..235		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84375	Strand	+
Start	1	End	4440
Name	OJ991021_14.0303.C26.o3.np	Method	AAT/NAP
Start	1	End	4440
GI	4522005	Score	752
Exons	1..21, 2188..2826, 2881..4440		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84375	Strand	+
Start	1	End	4440
Name	OJ991021_14.0303.C26.o2.np	Method	AAT/NAP
Start	2184	End	4427
GI	2583130	Score	806
Exons	2184..4427		
GI Descrip.	(AC002387) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o1.tc	Method	TBLASTX:Cress
Start	95	End	403
GI	none	Score	54
Exons	95..154, 101..232, 248..403, 249..392		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o2.ts	Method	TBLASTX:Soybean
Start	98	End	460
GI	none	Score	48
Exons	98..181, 105..206, 191..460, 192..458, 248..460		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o1.gs	Method	GENSCAN
Start	101	End	4133
GI	none	Score	.6
Exons	101..891, 1054..1233, 1331..1406, 2260..2333, 3396..3513, 4047..4133		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o1.np	Method	AAT/NAP
Start	104	End	955
GI	5932548	Score	715
Exons	104..955		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o1.tm	Method	TBLASTX:Maize
Start	272	End	910
GI	none	Score	136
Exons	272..391, 374..754, 411..755,	767..910	

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o2.gp	Method	AAT/GAP
Start	293	End	720
GI	5803489	Score	800
Exons	293..720		
GI Descrip.	5932548/gb|AAD57003.1|AC009465_17 4.0e-30 (AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o1.ts	Method	TBLASTX:Soybean
Start	566	End	961
GI	none	Score	168
Exons	566..904, 618..884, 896..961		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o4.ts	Method	TBLASTX:Soybean
Start	2511	End	2813
GI	none	Score	125
Exons	2511..2681, 2694..2813		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o1.tw	Method	TBLASTX:Wheat
Start	2538	End	2942
GI	none	Score	391
Exons	2538..2942, 2591..2917		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o2.tm	Method	TBLASTX:Maize
Start	2667	End	3029
GI	none	Score	311
Exons	2667..3017, 2669..2785, 2697..3029		

Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o3.ts	Method	TBLASTX:Soybean
Start	2814	End	3200
GI	none	Score	169

Exons	2814..3077, 2846..3010, 3105..3200		
Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o5.np	Method	AAT/NAP
Start	3428	End	5207
GI	5922623	Score	186
Exons	3428..3458, 4829..4904, 5072..5207		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	40733	Seq. ID	OJ991021_14.0303.C26
Gene No.	84376	Strand	-
Start	101	End	5207
Name	OJ991021_14.0303.C26.o4.np	Method	AAT/NAP
Start	4651	End	5207
GI	7523512	Score	121
Exons	4651..4787, 5175..5207		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		
Seq. No.	40734	Seq. ID	OJ991021_14.0303.C27
Gene No.	84377	Strand	+
Start	450	End	1207
Name	OJ991021_14.0303.C27.o1.gs	Method	GENSCAN
Start	450	End	1207
GI	none	Score	.74
Exons	450..601, 684..750, 1032..1207		
Seq. No.	40734	Seq. ID	OJ991021_14.0303.C27
Gene No.	84378	Strand	-
Start	1840	End	2422
Name	OJ991021_14.0303.C27.o2.gs	Method	GENSCAN
Start	1840	End	2271
GI	none	Score	.9
Exons	1840..2271		
Seq. No.	40734	Seq. ID	OJ991021_14.0303.C27
Gene No.	84378	Strand	-
Start	1840	End	2422
Name	OJ991021_14.0303.C27.o1.ts	Method	TBLASTX:Soybean
Start	1897	End	2391
GI	none	Score	220
Exons	1897..2217, 1910..2209, 2203..2322, 2243..2323, 2323..2391		
Seq. No.	40734	Seq. ID	OJ991021_14.0303.C27
Gene No.	84378	Strand	-
Start	1840	End	2422
Name	OJ991021_14.0303.C27.o1.np	Method	AAT/NAP
Start	1912	End	2422
GI	7488050	Score	508
Exons	1912..2422		
GI Descrip.	probable amine oxidase - Arabidopsis thaliana gi|2244851|emb|CAB10273.1| (Z97337) amine oxidase like protein [Arabidopsis thaliana] gi|7268240|emb|CAB78536.1| (AL161540) amine oxidase like protein [Arabidopsis thaliana]		

Seq. No.	40734	Seq. ID	OJ991021_14.0303.C27
Gene No.	84378	Strand	-
Start	1840	End	2422
Name	OJ991021_14.0303.C27.o1.tc	Method	TBLASTX:Cress
Start	1915	End	2391
GI	none	Score	282
Exons	1915..2322, 1922..2332, 2323..2391		

Seq. No.	40735	Seq. ID	OJ991021_14.0303.C28
Gene No.	84379	Strand	-
Start	1	End	2102
Name	OJ991021_14.0303.C28.o1.np	Method	AAT/NAP
Start	1	End	2102
GI	5281040	Score	439
Exons	1..154, 256..655, 2080..2102		
GI Descrip.	(AL080318) copper amine oxidase-like protein [Arabidopsis thaliana]		

Seq. No.	40735	Seq. ID	OJ991021_14.0303.C28
Gene No.	84379	Strand	-
Start	1	End	2102
Name	OJ991021_14.0303.C28.o1.gs	Method	GENSCAN
Start	2	End	765
GI	none	Score	.63
Exons	2..154, 175..765		

Seq. No.	40735	Seq. ID	OJ991021_14.0303.C28
Gene No.	84379	Strand	-
Start	1	End	2102
Name	OJ991021_14.0303.C28.o1.ts	Method	TBLASTX:Soybean
Start	33	End	657
GI	none	Score	71
Exons	33..152, 38..160, 65..157, 289..540, 290..529, 586..657		

Seq. No.	40735	Seq. ID	OJ991021_14.0303.C28
Gene No.	84379	Strand	-
Start	1	End	2102
Name	OJ991021_14.0303.C28.o1.tc	Method	TBLASTX:Cress
Start	38	End	636
GI	none	Score	104
Exons	38..160, 39..155, 245..529, 262..543, 586..636		

Seq. No.	40736	Seq. ID	OJ991021_14.0303.C29
Gene No.	84380	Strand	-
Start	156	End	969
Name	OJ991021_14.0303.C29.o1.np	Method	AAT/NAP
Start	156	End	969
GI	3819099	Score	413
Exons	156..969		
GI Descrip.	(AJ009825) copper amine oxidase [Cicer arietinum]		

Seq. No.	40736	Seq. ID	OJ991021_14.0303.C29
Gene No.	84380	Strand	-
Start	156	End	969
Name	OJ991021_14.0303.C29.o1.gs	Method	GENSCAN
Start	158	End	954

GI	none	Score	.76
Exons	158..954		

Seq. No.	40736	Seq. ID	OJ991021_14.0303.C29
Gene No.	84380	Strand	-
Start	156	End	969
Name	OJ991021_14.0303.C29.o1.tc	Method	TBLASTX:Cress
Start	259	End	876
GI	none	Score	80
Exons	259..450, 448..621, 571..702, 751..876		

Seq. No.	40736	Seq. ID	OJ991021_14.0303.C29
Gene No.	84380	Strand	-
Start	156	End	969
Name	OJ991021_14.0303.C29.o1.ts	Method	TBLASTX:Soybean
Start	361	End	876
GI	none	Score	87
Exons	361..450, 448..633, 449..664, 751..876, 755..814		

Seq. No.	40737	Seq. ID	OJ991021_14.0303.C30
Gene No.	84381	Strand	-
Start	848	End	2798
Name	OJ991021_14.0303.C30.o1.gs	Method	GENSCAN
Start	848	End	2002
GI	none	Score	.5
Exons	848..1009, 1739..2002		

Seq. No.	40737	Seq. ID	OJ991021_14.0303.C30
Gene No.	84381	Strand	-
Start	848	End	2798
Name	OJ991021_14.0303.C30.o1.ts	Method	TBLASTX:Soybean
Start	1691	End	2012
GI	5057942	Score	186
Exons	1691..1978, 1721..2002, 1722..2012, 1761..1985		
GI Descrip.	4263521/gb_AAD15347_ 9.0e-38 (AC004044) putative WD-repeat protein [Arabidopsis thaliana]		

Seq. No.	40737	Seq. ID	OJ991021_14.0303.C30
Gene No.	84381	Strand	-
Start	848	End	2798
Name	OJ991021_14.0303.C30.o1.tm	Method	TBLASTX:Maize
Start	1700	End	2009
GI	none	Score	328
Exons	1700..2002, 1701..2009, 1703..1999, 1755..2003		

Seq. No.	40737	Seq. ID	OJ991021_14.0303.C30
Gene No.	84381	Strand	-
Start	848	End	2798
Name	OJ991021_14.0303.C30.o1.np	Method	AAT/NAP
Start	1715	End	2798
GI	4263521	Score	354
Exons	1715..2002, 2756..2798		
GI Descrip.	(AC004044) putative WD-repeat protein [Arabidopsis thaliana]		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84382	Strand	+
Start	28	End	2843

Name	OJ991021_14.0303.C31.o1.gs	Method	GENSCAN
Start	28	End	2442
GI	none	Score	.52
Exons	28..239, 1473..2442		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84382	Strand	+
Start	28	End	2843
Name	OJ991021_14.0303.C31.o1.np	Method	AAT/NAP
Start	1534	End	2843
GI	4587563	Score	641
Exons	1534..1803, 1849..2442, 2788..2843		
GI Descrip.	(AC006550) Similar to gb|U51990 pre-mRNA-splicing factor hPrp18 from Homo sapiens. ESTs gb|T46391 and gb|AA721815 come from this gene. [Arabidopsis thaliana]		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84383	Strand	-
Start	1	End	229
Name	OJ991021_14.0303.C31.o1.gp	Method	AAT/GAP
Start	1	End	229
GI	41565_1.R1084	Score	450
Exons	1..229		
GI Descrip.	'5932548/gb|AAD57003.1|AC009465_17 4.0e-30 (AC009465) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84383	Strand	-
Start	1	End	229
Name	OJ991021_14.0303.C31.o2.tm	Method	TBLASTX:Maize
Start	1	End	156
GI	none	Score	189
Exons	1..156, 3..143		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84384	Strand	
Start	1591	End	2445
Name	OJ991021_14.0303.C31.o1.tc	Method	TBLASTX:Cress
Start	1591	End	2097
GI	none	Score	88
Exons	1591..1668, 1876..2025, 2020..2097, 2037..2096		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84384	Strand	
Start	1591	End	2445
Name	OJ991021_14.0303.C31.o1.tm	Method	TBLASTX:Maize
Start	1828	End	2445
GI	none	Score	355
Exons	1828..2097, 1873..2100, 2073..2108, 2080..2109, 2085..2126, 2217..2324, 2227..2292, 2235..2444, 2245..2445, 2338..2445		

Seq. No.	40738	Seq. ID	OJ991021_14.0303.C31
Gene No.	84384	Strand	
Start	1591	End	2445
Name	OJ991021_14.0303.C31.o1.ts	Method	TBLASTX:Soybean
Start	2224	End	2445
GI	none	Score	299

Exons	2224..2445, 2245..2445		
Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.ts	Method	TBLASTX:Soybean
Start	253	End	540
GI	none	Score	214
Exons	253..540, 327..539, 346..540		
Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.np	Method	AAT/NAP
Start	276	End	735
GI	4587563	Score	517
Exons	276..735		
GI Descrip.	(AC006550) Similar to gb|U51990 pre-mRNA-splicing factor hPrp18 from Homo sapiens. ESTs gb|T46391 and gb|AA721815 come from this gene. [Arabidopsis thaliana]		
Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.tm	Method	TBLASTX:Maize
Start	294	End	741
GI	none	Score	426
Exons	294..665, 327..674, 344..691, 346..699, 661..738, 697..741		
Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.tw	Method	TBLASTX:Wheat
Start	294	End	645
GI	none	Score	464
Exons	294..644, 327..644, 346..645		
Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.gs	Method	GENSCAN
Start	328	End	735
GI	none	Score	1
Exons	328..735		
Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.gp	Method	AAT/GAP
Start	331	End	747
GI	8231_1.R1084	Score	695
Exons	331..747		
GI Descrip.	'4587563/gb|AAD25794.1|AC006550_2 1.0e-23 (AC006550) Similar to gb_U51990 pre-mRNA-splicing factor hPrp18 from Homo sapiens. ESTs gb_T46391 and gb_AA721815 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	40739	Seq. ID	OJ991021_14.0303.C32
Gene No.	84385	Strand	+
Start	276	End	747
Name	OJ991021_14.0303.C32.o1.tc	Method	TBLASTX:Cress
Start	421	End	699
GI	none	Score	392
Exons	421..699, 423..653		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o1.np	Method	AAT/NAP
Start	3784	End	4480
GI	7248393	Score	534
Exons	3784..4067, 4107..4480		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o2.gs	Method	GENSCAN
Start	3983	End	7813
GI	none	Score	.43
Exons	3983..4364, 4626..5251, 5518..5589, 5697..6667, 7225..7813		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o2.np	Method	AAT/NAP
Start	6582	End	19801
GI	7248394	Score	1780
Exons	6582..7513, 16863..17898, 19790..19801		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	7637	End	17123
GI	none	Score	80
Exons	7637..7684, 7642..7692, 7688..7759, 7696..7758, 7699..7761, 16836..17123, 16838..17080		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o3.gs	Method	GENSCAN
Start	9781	End	18990
GI	none	Score	.55
Exons	9781..9951, 10179..10554, 10559..10764, 11744..11833, 11866..12004, 13231..13308, 14947..14985, 15283..15412, 16799..17360, 17523..17556, 17794..17957, 18058..18240, 18855..18990		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o1.tc	Method	TBLASTX:Cress
Start	12002	End	12203
GI	none	Score	163
Exons	12002..12199, 12008..12115, 12009..12203, 12009..12200		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	16992	End	17453
GI	none	Score	559
Exons	16992..17453, 16992..17390, 17141..17452		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o2.tw	Method	TBLASTX:Wheat
Start	17124	End	17459
GI	none	Score	204
Exons	17124..17459, 17141..17455		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o2.ts	Method	TBLASTX:Soybean
Start	17139	End	17609
GI	none	Score	225
Exons	17139..17420, 17177..17314, 17421..17609, 17453..17596		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	17760	End	18168
GI	none	Score	155
Exons	17760..17897, 17762..17911, 17918..18001, 17919..18038, 18046..18168		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o3.np	Method	AAT/NAP
Start	18487	End	19801
GI	629693	Score	404
Exons	18487..19097, 19575..19801		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o2.tm	Method	TBLASTX:Maize
Start	18618	End	18998

GI	none	Score	80
Exons	18618..18776, 18774..18998		

Seq. No.	40740	Seq. ID	OJ991111_19.0307.C2
Gene No.	84386	Strand	+
Start	3983	End	19801
Name	OJ991111_19.0307.C2.o3.ts	Method	TBLASTX:Soybean
Start	18621	End	19019
GI	none	Score	228
Exons	18621..19019, 18725..18919		

Seq. No.	40741	Seq. ID	OJ991111_19.0307.C3
Gene No.	84387	Strand	+
Start	1	End	384
Name	OJ991111_19.0307.C3.o1.np	Method	AAT/NAP
Start	1	End	384
GI	629693	Score	98
Exons	1..171, 347..384		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	40741	Seq. ID	OJ991111_19.0307.C3
Gene No.	84388	Strand	-
Start	524	End	5361
Name	OJ991111_19.0307.C3.o1.gs	Method	GENSCAN
Start	524	End	5361
GI	none	Score	.7
Exons	524..1207, 1286..1369, 1686..2020, 2186..2533, 3097..3250, 3320..3592, 3691..3834, 3902..4247, 5283..5361		

Seq. No.	40742	Seq. ID	OJ991111_19.0307.C4
Gene No.	84389	Strand	+
Start	1	End	421
Name	OJ991111_19.0307.C4.o1.np	Method	AAT/NAP
Start	1	End	421
GI	5852181	Score	95
Exons	1..28, 257..421		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	40742	Seq. ID	OJ991111_19.0307.C4
Gene No.	84390	Strand	+
Start	346	End	2717
Name	OJ991111_19.0307.C4.o1.gs	Method	GENSCAN
Start	346	End	2717
GI	none	Score	.63
Exons	346..594, 887..1038, 1442..1530, 2101..2717		

Seq. No.	40743	Seq. ID	OJ991111_19.0307.C5
Gene No.	84391	Strand	+
Start	149	End	3016
Name	OJ991111_19.0307.C5.o1.gs	Method	GENSCAN
Start	149	End	2732
GI	none	Score	.44
Exons	149..155, 2476..2732		

Seq. No.	40743	Seq. ID	OJ991111_19.0307.C5
Gene No.	84391	Strand	+

Start	149	End	3016
Name	OJ991111_19.0307.C5.o1.np	Method	AAT/NAP
Start	2508	End	3016
GI	6815052	Score	253
Exons	2508..2661, 2743..2847, 2984..3016		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84392	Strand	+
Start	1	End	8476
Name	OJ991111_19.0307.C6.o1.np	Method	AAT/NAP
Start	1	End	3652
GI	5852180	Score	472
Exons	1..92, 813..866, 1849..2347, 2672..2706, 3597..3652		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84392	Strand	+
Start	1	End	8476
Name	OJ991111_19.0307.C6.o1.gs	Method	GENSCAN
Start	1056	End	8057
GI	none	Score	.57
Exons	1056..1116, 1833..2309, 3214..3409, 3639..3738, 4448..4460, 4814..4918, 5276..5524, 6059..6427, 6710..6829, 6991..7150, 7272..7834, 7840..8057		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84392	Strand	+
Start	1	End	8476
Name	OJ991111_19.0307.C6.o2.np	Method	AAT/NAP
Start	3195	End	6828
GI	6815052	Score	1545
Exons	3195..3339, 3647..3738, 4595..4701, 5403..5524, 5573..6271, 6353..6427, 6710..6828		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84392	Strand	+
Start	1	End	8476
Name	OJ991111_19.0307.C6.o3.np	Method	AAT/NAP
Start	6722	End	8476
GI	6907087	Score	800
Exons	6722..7101, 7144..7834, 8375..8476		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84393	Strand	+
Start	8942	End	9323
Name	OJ991111_19.0307.C6.o2.gp	Method	AAT/GAP
Start	8942	End	9323
GI	uC-osf1cyp033a04b1	Score	639
Exons	8942..9323		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84394	Strand	+
Start	9568	End	12806
Name	OJ991111_19.0307.C6.o5.np	Method	AAT/NAP
Start	9568	End	12806
GI	5852093	Score	68
Exons	9568..9616, 10954..11105, 12778..12806		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84395	Strand	+
Start	14657	End	15387
Name	OJ991111_19.0307.C6.o3.gp	Method	AAT/GAP
Start	14657	End	15387
GI	LIB3474-003-P1-K1-C2	Score	763
Exons	14657..14781, 14961..15106, 15202..15387		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-116 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84396	Strand	-
Start	715	End	1096
Name	OJ991111_19.0307.C6.o1.gp	Method	AAT/GAP
Start	715	End	1096
GI	uC-osf1cyp033a04b1	Score	659
Exons	715..1096		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84397	Strand	-
Start	8369	End	10712
Name	OJ991111_19.0307.C6.o1.tw	Method	TBLASTX:Wheat
Start	4921	End	5418
GI	none	Score	319
Exons	4921..5418, 4945..5211, 5157..5315		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84397	Strand	-
Start	8369	End	10712
Name	OJ991111_19.0307.C6.o2.gs	Method	GENSCAN
Start	8369	End	10712
GI	none	Score	.84
Exons	8369..8475, 8922..9075, 9168..9225, 10196..10267, 10693..10712		

Seq. No.	40744	Seq. ID	OJ991111_19.0307.C6
Gene No.	84397	Strand	-
Start	8369	End	10712
Name	OJ991111_19.0307.C6.o4.np	Method	AAT/NAP
Start	8870	End	9075
GI	4680186	Score	237
Exons	8870..9075		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40745	Seq. ID	OJ991111_19.0307.C7
Gene No.	84398	Strand	-
Start	1	End	1612

Name	OJ991111_19.0307.C7.o1.np	Method	AAT/NAP
Start	1	End	1390
GI	7248394	Score	1654
Exons	1..181, 452..733, 777..1390		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	40745	Seq. ID	OJ991111_19.0307.C7
Gene No.	84398	Strand	-
Start	1	End	1612
Name	OJ991111_19.0307.C7.o1.tw	Method	TBLASTX:Wheat
Start	1	End	320
GI	none	Score	344
Exons	1..303, 3..320		

Seq. No.	40745	Seq. ID	OJ991111_19.0307.C7
Gene No.	84398	Strand	-
Start	1	End	1612
Name	OJ991111_19.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	260
GI	none	Score	263
Exons	1..258, 1..246, 3..260		

Seq. No.	40745	Seq. ID	OJ991111_19.0307.C7
Gene No.	84398	Strand	-
Start	1	End	1612
Name	OJ991111_19.0307.C7.o1.gs	Method	GENSCAN
Start	50	End	1612
GI	none	Score	.43
Exons	50..181, 257..721, 1041..1194, 1376..1612		

Seq. No.	40745	Seq. ID	OJ991111_19.0307.C7
Gene No.	84398	Strand	-
Start	1	End	1612
Name	OJ991111_19.0307.C7.o1.ts	Method	TBLASTX:Soybean
Start	114	End	482
GI	none	Score	131
Exons	114..248, 264..482		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84399	Strand	+
Start	177	End	312
Name	OJ991111_19.0307.C8.o1.gs	Method	GENSCAN
Start	177	End	312
GI	none	Score	.77
Exons	177..312		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84400	Strand	+
Start	3311	End	5438
Name	OJ991111_19.0307.C8.o3.gs	Method	GENSCAN
Start	3311	End	5216
GI	none	Score	.6
Exons	3311..3526, 3597..3885, 4000..4332, 4708..5216		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84400	Strand	+
Start	3311	End	5438
Name	OJ991111_19.0307.C8.o1.np	Method	AAT/NAP
Start	3415	End	5438
GI	4325357	Score	416
Exons	3415..4115, 4910..5438		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84401	Strand	-
Start	1510	End	4073
Name	OJ991111_19.0307.C8.o1.tm	Method	TBLASTX:Maize
Start	49	End	416
GI	none	Score	69
Exons	49..267, 146..262, 273..416, 292..399		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84401	Strand	-
Start	1510	End	4073
Name	OJ991111_19.0307.C8.o1.ts	Method	TBLASTX:Soybean
Start	924	End	4028
GI	none	Score	66
Exons	924..1076, 3618..3722, 3653..3721, 3750..4028, 3762..3962		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84401	Strand	-
Start	1510	End	4073
Name	OJ991111_19.0307.C8.o1.tw	Method	TBLASTX:Wheat
Start	948	End	3965
GI	none	Score	101
Exons	948..1088, 3618..3734, 3750..3965		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84401	Strand	-
Start	1510	End	4073
Name	OJ991111_19.0307.C8.o2.gs	Method	GENSCAN
Start	1510	End	2112
GI	none	Score	.51
Exons	1510..2112		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84401	Strand	-
Start	1510	End	4073
Name	OJ991111_19.0307.C8.o1.tc	Method	TBLASTX:Cress
Start	3765	End	4073
GI	none	Score	190
Exons	3765..4073		

Seq. No.	40746	Seq. ID	OJ991111_19.0307.C8
Gene No.	84402	Strand	
Start	4809	End	5210
Name	OJ991111_19.0307.C8.o2.tw	Method	TBLASTX:Wheat
Start	4809	End	5210

GI	none	Score	108
Exons	4809..4988, 5031..5210, 5102..5185		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84403	Strand	+
Start	639	End	1153
Name	OJ991111_19.0307.C9.o1.gs	Method	GENSCAN
Start	639	End	1153
GI	none	Score	.67
Exons	639..797, 1049..1153		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84404	Strand	+
Start	1897	End	9248
Name	OJ991111_19.0307.C9.o1.np	Method	AAT/NAP
Start	1897	End	7239
GI	6815052	Score	1888
Exons	1897..2042, 2123..2205, 2487..2604, 2896..2995, 3872..3964, 5753..5902, 5951..6683, 6765..6839, 7121..7239		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84404	Strand	+
Start	1897	End	9248
Name	OJ991111_19.0307.C9.o2.gs	Method	GENSCAN
Start	1897	End	3349
GI	none	Score	.74
Exons	1897..2049, 2847..2995, 3053..3120, 3258..3349		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84404	Strand	+
Start	1897	End	9248
Name	OJ991111_19.0307.C9.o3.gs	Method	GENSCAN
Start	4084	End	9248
GI	none	Score	.7
Exons	4084..4486, 4893..4951, 5426..6839, 7121..7199, 7243..7402, 8108..8167, 9150..9248		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o2.np	Method	AAT/NAP
Start	9344	End	14010
GI	5852181	Score	135
Exons	9344..9371, 12600..12738, 13946..14010		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o5.gs	Method	GENSCAN
Start	11004	End	14310
GI	none	Score	.87
Exons	11004..11158, 12578..12711, 12902..14310		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+

Start	9344	End	16924
Name	OJ991111_19.0307.C9.o3.np	Method	AAT/NAP
Start	14036	End	16924
GI	6691191	Score	2666
Exons	14036..16924		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o2.ts	Method	TBLASTX:Soybean
Start	14268	End	14603
GI	none	Score	354
Exons	14268..14603, 14282..14452		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o5.tw	Method	TBLASTX:Wheat
Start	14274	End	14582
GI	none	Score	330
Exons	14274..14582, 14276..14464		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o2.tm	Method	TBLASTX:Maize
Start	14466	End	14828
GI	none	Score	229
Exons	14466..14828		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o1.tw	Method	TBLASTX:Wheat
Start	14679	End	15110
GI	none	Score	544
Exons	14679..15110, 14681..15067, 14691..15092		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o1.tm	Method	TBLASTX:Maize
Start	14844	End	15392
GI	none	Score	259
Exons	14844..15257, 15249..15392		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o3.ts	Method	TBLASTX:Soybean
Start	14970	End	15323
GI	none	Score	59
Exons	14970..15035, 15035..15304, 15036..15323, 15096..15323		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+

Start	9344	End	16924
Name	OJ991111_19.0307.C9.o3.tw	Method	TBLASTX:Wheat
Start	15110	End	15416
GI	none	Score	366
Exons	15110..15301, 15114..15416, 15322..15384		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o4.tw	Method	TBLASTX:Wheat
Start	15429	End	15899
GI	none	Score	190
Exons	15429..15629, 15431..15613, 15621..15692, 15696..15899		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o4.ts	Method	TBLASTX:Soybean
Start	15435	End	15569
GI	none	Score	199
Exons	15435..15569, 15435..15551, 15449..15556		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o1.tc	Method	TBLASTX:Cress
Start	15612	End	15995
GI	none	Score	61
Exons	15612..15689, 15692..15805, 15693..15995, 15845..15994		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o6.tw	Method	TBLASTX:Wheat
Start	16013	End	16348
GI	none	Score	158
Exons	16013..16201, 16017..16208, 16020..16202, 16184..16348		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o1.ts	Method	TBLASTX:Soybean
Start	16340	End	16884
GI	none	Score	351
Exons	16340..16729, 16342..16722, 16738..16884, 16739..16828		

Seq. No.	40747	Seq. ID	OJ991111_19.0307.C9
Gene No.	84405	Strand	+
Start	9344	End	16924
Name	OJ991111_19.0307.C9.o2.tw	Method	TBLASTX:Wheat
Start	16351	End	16732
GI	none	Score	378
Exons	16351..16374, 16352..16732, 16408..16731		

Seq. No.	40748	Seq. ID	OJ991111_19.0307.C10
Gene No.	84406	Strand	+
Start	1	End	1235

Name	OJ991111_19.0307.C10.o1.np	Method	AAT/NAP
Start	1	End	375
GI	4680186	Score	342
Exons	1..111, 175..375		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40748	Seq. ID	OJ991111_19.0307.C10
Gene No.	84406	Strand	+
Start	1	End	1235
Name	OJ991111_19.0307.C10.o1.gs	Method	GENSCAN
Start	268	End	1235
GI	none	Score	.52
Exons	268..328, 1135..1235		

Seq. No.	40748	Seq. ID	OJ991111_19.0307.C10
Gene No.	84407	Strand	-
Start	1	End	308
Name	OJ991111_19.0307.C10.o1.gp	Method	AAT/GAP
Start	1	End	308
GI	uC-osflcyp033a04b1	Score	554
Exons	1..308		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40749	Seq. ID	OJ991111_19.0307.C12
Gene No.	84408	Strand	+
Start	1	End	1659
Name	OJ991111_19.0307.C12.o1.np	Method	AAT/NAP
Start	1	End	1659
GI	5295955	Score	222
Exons	1..100, 231..383, 1128..1194, 1335..1659		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	40749	Seq. ID	OJ991111_19.0307.C12
Gene No.	84408	Strand	+
Start	1	End	1659
Name	OJ991111_19.0307.C12.o1.gs	Method	GENSCAN
Start	1113	End	1442
GI	none	Score	.7
Exons	1113..1442		

Seq. No.	40750	Seq. ID	OJ991111_19.0307.C13
Gene No.	84409	Strand	+
Start	1	End	1438
Name	OJ991111_19.0307.C13.o1.np	Method	AAT/NAP
Start	1	End	1438
GI	7248394	Score	267
Exons	1..36, 1073..1438		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	40750	Seq. ID	OJ991111_19.0307.C13
Gene No.	84410	Strand	-

Start	229	End	1267
Name	OJ991111_19.0307.C13.o1.gs	Method	GENSCAN
Start	229	End	1267
GI	none	Score	.56
Exons	229..363, 1138..1267		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84411	Strand	+
Start	1571	End	2469
Name	OJ991111_19.0307.C15.o1.gs	Method	GENSCAN
Start	1571	End	2469
GI	none	Score	.51
Exons	1571..1737, 1742..1797, 1865..2010, 2166..2469		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o2.gs	Method	GENSCAN
Start	2720	End	3922
GI	none	Score	.99
Exons	2720..3922		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o1.np	Method	AAT/NAP
Start	2723	End	4050
GI	6983860	Score	2284
Exons	2723..4050		
GI Descrip.	(AP001168) Similar to 22 kDa kafirin cluster; Ty3-Gypsy type (AF061282) [Oryza sativa]		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o3.tw	Method	TBLASTX:Wheat
Start	2768	End	3101
GI	none	Score	137
Exons	2768..3100, 2820..3101		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o1.tm	Method	TBLASTX:Maize
Start	2963	End	3548
GI	none	Score	104
Exons	2963..3388, 2964..3161, 2984..3229, 3225..3389, 3386..3547, 3393..3548		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o1.tw	Method	TBLASTX:Wheat
Start	3101	End	3727
GI	none	Score	44
Exons	3101..3727, 3102..3161, 3222..3671		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o2.tm	Method	TBLASTX:Maize
Start	3596	End	3888
GI	none	Score	309
Exons	3596..3886, 3600..3887, 3601..3888		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o1.ts	Method	TBLASTX:Soybean
Start	3686	End	3946
GI	none	Score	182
Exons	3686..3946, 3687..3935		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o1.tc	Method	TBLASTX:Cress
Start	3710	End	4036
GI	none	Score	87
Exons	3710..3853, 3711..3851, 3854..4036		

Seq. No.	40751	Seq. ID	OJ991111_19.0307.C15
Gene No.	84412	Strand	-
Start	2720	End	4050
Name	OJ991111_19.0307.C15.o2.tw	Method	TBLASTX:Wheat
Start	3734	End	4045
GI	none	Score	264
Exons	3734..4045, 3738..4016		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o1.np	Method	AAT/NAP
Start	1	End	3179
GI	4680179	Score	3336
Exons	1..1837, 1865..2854, 3134..3179		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o1.tm	Method	TBLASTX:Maize
Start	14	End	367
GI	none	Score	194
Exons	14..367, 21..362		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o1.tw	Method	TBLASTX:Wheat
Start	14	End	439
GI	none	Score	226
Exons	14..364, 14..439, 21..437		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o1.gs	Method	GENSCAN
Start	170	End	6358
GI	none	Score	.83
Exons	170..2854, 3303..3917, 4969..5038, 6192..6358		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o2.ts	Method	TBLASTX:Soybean
Start	185	End	433
GI	none	Score	203
Exons	185..433		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o3.tm	Method	TBLASTX:Maize
Start	374	End	706
GI	none	Score	144
Exons	374..706, 375..653		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o3.tw	Method	TBLASTX:Wheat
Start	440	End	703
GI	none	Score	250
Exons	440..703, 441..701		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o1.ts	Method	TBLASTX:Soybean
Start	455	End	850
GI	none	Score	189
Exons	455..706, 465..698, 761..814, 771..812, 818..850, 818..850		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o2.tm	Method	TBLASTX:Maize
Start	761	End	1208
GI	none	Score	70
Exons	761..1204, 966..1208		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o2.tw	Method	TBLASTX:Wheat
Start	791	End	1274
GI	none	Score	195
Exons	791..1273, 794..1237, 834..1274		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16

Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o3.ts	Method	TBLASTX:Soybean
Start	923	End	1237
GI	none	Score	198
Exons	923..1237		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o5.tm	Method	TBLASTX:Maize
Start	1209	End	1402
GI	none	Score	156
Exons	1209..1364, 1211..1402		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o5.tw	Method	TBLASTX:Wheat
Start	1406	End	1759
GI	none	Score	57
Exons	1406..1759, 1475..1669		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o4.tw	Method	TBLASTX:Wheat
Start	2093	End	2443
GI	none	Score	307
Exons	2093..2443		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o4.tm	Method	TBLASTX:Maize
Start	2138	End	2443
GI	none	Score	73
Exons	2138..2443, 2156..2443		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o6.tw	Method	TBLASTX:Wheat
Start	2495	End	2693
GI	none	Score	59
Exons	2495..2668, 2495..2692, 2496..2693		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16
Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o2.np	Method	AAT/NAP
Start	3124	End	3917
GI	4512231	Score	1280
Exons	3124..3917		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	40752	Seq. ID	OJ991111_19.0307.C16

Gene No.	84413	Strand	-
Start	1	End	6454
Name	OJ991111_19.0307.C16.o3.np	Method	AAT/NAP
Start	5089	End	6454
GI	6063554	Score	103
Exons	5089..5260, 6402..6454		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40753	Seq. ID	OJ991111_19.0307.C17
Gene No.	84414	Strand	+
Start	44	End	2108
Name	OJ991111_19.0307.C17.o1.gs	Method	GENSCAN
Start	44	End	2108
GI	none	Score	.59
Exons	44..216, 1146..1432, 1587..1917, 1981..2108		

Seq. No.	40753	Seq. ID	OJ991111_19.0307.C17
Gene No.	84414	Strand	+
Start	44	End	2108
Name	OJ991111_19.0307.C17.o1.tm	Method	TBLASTX:Maize
Start	1154	End	1610
GI	none	Score	235
Exons	1154..1429, 1506..1610		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84415	Strand	+
Start	3696	End	5657
Name	OJ991111_19.0307.C18.o1.gp	Method	AAT/GAP
Start	3696	End	5657
GI	none	Score	1240
Exons	3696..3747, 4976..5217, 5300..5657		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84416	Strand	+
Start	6069	End	6388
Name	OJ991111_19.0307.C18.o2.gp	Method	AAT/GAP
Start	6069	End	6388
GI	none	Score	578
Exons	6069..6388		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84417	Strand	+
Start	6723	End	7145
Name	OJ991111_19.0307.C18.o3.gp	Method	AAT/GAP
Start	6723	End	7145
GI	none	Score	758
Exons	6723..7145		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84418	Strand	+
Start	12824	End	13144
Name	OJ991111_19.0307.C18.o4.gp	Method	AAT/GAP
Start	12824	End	13144
GI	568162	Score	610
Exons	12824..13144		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84419	Strand	-
Start	446	End	800
Name	OJ991111_19.0307.C18.o1.gs	Method	GENSCAN
Start	446	End	800
GI	none	Score	.74
Exons	446..800		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84420	Strand	-
Start	9759	End	13167
Name	OJ991111_19.0307.C18.o3.gs	Method	GENSCAN
Start	9759	End	13167
GI	none	Score	.73
Exons	9759..10201, 10302..10466, 10990..11125, 11575..11804, 11810..11937, 11981..12368, 13035..13167		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o4.ts	Method	TBLASTX:Soybean
Start	1172	End	3147
GI	none	Score	50
Exons	1172..1234, 1225..1269, 2940..3047, 2940..3047, 2941..3051, 2942..3049, 3045..3131, 3046..3147		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o2.tm	Method	TBLASTX:Maize
Start	3143	End	5400
GI	none	Score	175
Exons	3143..3241, 3145..3291, 3156..3446, 3170..3514, 3314..3514, 3345..3515, 3364..3531, 3394..3516, 3615..3731, 3621..3731, 3622..3747, 4976..5212, 4977..5213, 4985..5215, 4986..5213, 4987..5217, 5062..5217, 5262..5399, 5302..5400		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o1.ts	Method	TBLASTX:Soybean
Start	3379	End	3747
GI	none	Score	177
Exons	3379..3531, 3394..3516, 3621..3746, 3621..3743, 3622..3747		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o1.tm	Method	TBLASTX:Maize
Start	5400	End	6562
GI	none	Score	182
Exons	5400..5570, 5402..5566, 5403..5567, 5434..5568, 5534..5710, 5562..5708, 5700..5927, 5702..5929, 5706..5963, 5927..6061, 5934..6059, 6113..6328, 6123..6368, 6207..6341, 6414..6488, 6424..6501, 6533..6562		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o3.ts	Method	TBLASTX:Soybean
Start	5490	End	5774
GI	none	Score	39
Exons	5490..5522, 5492..5542, 5508..5738, 5519..5740, 5520..5774		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o1.tc	Method	TBLASTX:Cress
Start	5654	End	6068
GI	none	Score	256
Exons	5654..5950, 5676..5951, 5932..6051, 5937..6059, 5937..6068		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o3.tm	Method	TBLASTX:Maize
Start	6588	End	7389
GI	none	Score	185
Exons	6588..6926, 6597..6899, 6677..6925, 6908..7009, 6914..7015, 6918..7208, 6918..7046, 6919..7119, 7191..7343, 7194..7343, 7198..7368, 7198..7368, 7345..7389		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o4.tm	Method	TBLASTX:Maize
Start	12903	End	13168
GI	none	Score	53
Exons	12903..12953, 12917..12949, 12929..13168, 12958..13125		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o4.gs	Method	GENSCAN
Start	14590	End	22263
GI	none	Score	.66
Exons	14590..15036, 15124..15158, 15237..15339, 16111..16188, 17695..17745, 18062..18187, 19845..19897, 22035..22263		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o1.np	Method	AAT/NAP
Start	14602	End	22263
GI	3820620	Score	880
Exons	14602..14847, 14902..15036, 15124..15158, 15237..15339, 16111..16188, 17695..17745, 18062..18187, 18279..18347, 19123..19180, 20900..20951, 22035..22263		
GI Descrip.	(AF099970) putative formamidopyrimidine-DNA glycosylase 1 [Arabidopsis thaliana]		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-

Start	14590	End	22325
Name	OJ991111_19.0307.C18.o2.tc	Method	TBLASTX:Cress
Start	14989	End	22263
GI	none	Score	48
Exons	14989..15039, 14990..15037, 15116..15157, 15118..15159, 15119..15166, 15235..15339, 15236..15340, 15242..15340, 16094..16216, 16108..16188, 17695..17748, 18051..18206, 18057..18179, 18062..18187, 18273..18350, 18273..18350, 19126..19182, 20896..20952, 20897..20953, 22033..22263, 22034..22213		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o5.tm	Method	TBLASTX:Maize
Start	18062	End	22123
GI	none	Score	121
Exons	18062..18187, 18063..18206, 18279..18347, 18284..18346, 20833..20904, 20884..20952, 22023..22121, 22033..22122, 22034..22123		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o2.ts	Method	TBLASTX:Soybean
Start	18306	End	22263
GI	none	Score	182
Exons	18306..18350, 19126..19182, 20896..20952, 22033..22263, 22034..22213		

Seq. No.	40754	Seq. ID	OJ991111_19.0307.C18
Gene No.	84421	Strand	-
Start	14590	End	22325
Name	OJ991111_19.0307.C18.o5.gp	Method	AAT/GAP
Start	20882	End	22325
GI	LIB3477-001-P1-K1-D8	Score	589
Exons	20882..20951, 22035..22325		
GI Descrip.	'3550982/dbj|BAA32702| 2.0e-35 (AB010690) mutM homologue-1 [Arabidopsis thaliana] >gi_5903053_gb_AAD55612.1_AC008016_22 (AC008016) Identical to gb_AB010690 mutM homologue-1 (formamidopyrimidine-DNA glycosylase 1) from Arabidopsis thaliana. EST gb_Z18192 comes from this gene'		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84422	Strand	+
Start	3056	End	11786
Name	OJ991111_19.0307.C19.o1.np	Method	AAT/NAP
Start	3056	End	10754
GI	4680179	Score	6566
Exons	3056..3583, 6736..10754		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84422	Strand	+
Start	3056	End	11786
Name	OJ991111_19.0307.C19.o2.gs	Method	GENSCAN
Start	5758	End	11786

GI	none	Score	.44
Exons	5758..6039, 6751..8868, 8883..9082, 9089..10419, 11159..11597, 11690..11786		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84423	Strand	-
Start	4291	End	4673
Name	OJ991111_19.0307.C19.o1.gp	Method	AAT/GAP
Start	4291	End	4673
GI	uC-osflcyp033a04b1	Score	660
Exons	4291..4673		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o8.tw	Method	TBLASTX:Wheat
Start	3269	End	6801
GI	none	Score	239
Exons	3269..3586, 3296..3379, 6733..6801		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o7.tm	Method	TBLASTX:Maize
Start	6727	End	7014
GI	none	Score	200
Exons	6727..7014, 6735..6869		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o7.tw	Method	TBLASTX:Wheat
Start	7339	End	7743
GI	none	Score	148
Exons	7339..7566, 7389..7508, 7570..7743, 7603..7662, 7644..7712		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o8.tm	Method	TBLASTX:Maize
Start	7381	End	7656
GI	none	Score	185
Exons	7381..7656, 7389..7481		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o4.tw	Method	TBLASTX:Wheat
Start	7918	End	8400
GI	none	Score	528
Exons	7918..8400, 8022..8357		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685

Name	OJ991111_19.0307.C19.o3.tm	Method	TBLASTX:Maize
Start	7987	End	8454
GI	none	Score	387
Exons	7987..8454, 8022..8228		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o1.ts	Method	TBLASTX:Soybean
Start	8341	End	8736
GI	none	Score	57
Exons	8341..8373, 8343..8369, 8377..8736, 8384..8446, 8481..8735		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o5.tw	Method	TBLASTX:Wheat
Start	8449	End	8751
GI	none	Score	401
Exons	8449..8751, 8450..8530, 8452..8742, 8481..8750		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o5.tm	Method	TBLASTX:Maize
Start	8470	End	8823
GI	none	Score	328
Exons	8470..8823, 8538..8723		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o3.tw	Method	TBLASTX:Wheat
Start	8752	End	9176
GI	none	Score	116
Exons	8752..8862, 8784..8861, 8856..9176, 8857..9006, 8858..9169, 8862..9173		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o2.tm	Method	TBLASTX:Maize
Start	8824	End	9176
GI	none	Score	44
Exons	8824..8862, 8858..9169, 8859..9176		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o2.tw	Method	TBLASTX:Wheat
Start	9219	End	9743
GI	none	Score	606
Exons	9219..9743, 9297..9710, 9488..9742		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685

Name	OJ991111_19.0307.C19.o1.tc	Method	TBLASTX:Cress
Start	9450	End	9767
GI	none	Score	90
Exons	9450..9623, 9624..9767, 9626..9766		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o2.ts	Method	TBLASTX:Soybean
Start	9531	End	9791
GI	none	Score	292
Exons	9531..9791, 9536..9790		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o4.tm	Method	TBLASTX:Maize
Start	9590	End	9881
GI	none	Score	381
Exons	9590..9877, 9591..9881		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o1.tw	Method	TBLASTX:Wheat
Start	9750	End	10376
GI	none	Score	699
Exons	9750..10376, 9752..10375		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o1.tm	Method	TBLASTX:Maize
Start	9933	End	10517
GI	none	Score	213
Exons	9933..10091, 9938..10084, 10088..10516, 10089..10517		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o6.tw	Method	TBLASTX:Wheat
Start	10376	End	10709
GI	none	Score	363
Exons	10376..10576, 10377..10709, 10618..10674		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o6.tm	Method	TBLASTX:Maize
Start	10518	End	10730
GI	none	Score	202
Exons	10518..10730		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o2.np	Method	AAT/NAP

Start	11269	End	12913
GI	7363272	Score	614
Exons	11269..11312, 11407..11495, 11542..11709, 11739..12087, 12790..12913		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o3.gs	Method	GENSCAN
Start	12583	End	19427
GI	none	Score	.42
Exons	12583..12591, 12787..12832, 12846..12964, 13394..13820, 17039..17702, 17898..17951, 19041..19183, 19363..19427		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o3.np	Method	AAT/NAP
Start	13416	End	13573
GI	7363271	Score	124
Exons	13416..13573		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	40755	Seq. ID	OJ991111_19.0307.C19
Gene No.	84424	Strand	-
Start	11269	End	20685
Name	OJ991111_19.0307.C19.o4.np	Method	AAT/NAP
Start	15937	End	20685
GI	6063554	Score	183
Exons	15937..16108, 17177..17225, 17310..17509, 20355..20685		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40756	Seq. ID	OJ991111_19.0307.C20
Gene No.	84425	Strand	+
Start	1	End	514
Name	OJ991111_19.0307.C20.o1.np	Method	AAT/NAP
Start	1	End	514
GI	4680183	Score	109
Exons	1..22, 391..514		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	40756	Seq. ID	OJ991111_19.0307.C20
Gene No.	84425	Strand	+
Start	1	End	514
Name	OJ991111_19.0307.C20.o1.gs	Method	GENSCAN
Start	293	End	470
GI	none	Score	.61
Exons	293..411, 425..470		

Seq. No.	40757	Seq. ID	OJ991111_19.0307.C21
Gene No.	84426	Strand	-
Start	110	End	1197
Name	OJ991111_19.0307.C21.o1.ts	Method	TBLASTX:Soybean
Start	102	End	388

GI	none	Score	51
Exons	102..188, 143..388, 258..341, 314..376		
Seq. No.	40757	Seq. ID	OJ991111_19.0307.C21
Gene No.	84426	Strand	-
Start	110	End	1197
Name	OJ991111_19.0307.C21.o1.np	Method	AAT/NAP
Start	110	End	1197
GI	629693	Score	546
Exons	110..1197		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		
Seq. No.	40757	Seq. ID	OJ991111_19.0307.C21
Gene No.	84426	Strand	-
Start	110	End	1197
Name	OJ991111_19.0307.C21.o1.tm	Method	TBLASTX:Maize
Start	125	End	370
GI	none	Score	59
Exons	125..223, 134..241, 239..307, 293..370		
Seq. No.	40757	Seq. ID	OJ991111_19.0307.C21
Gene No.	84426	Strand	-
Start	110	End	1197
Name	OJ991111_19.0307.C21.o1.gs	Method	GENSCAN
Start	128	End	1096
GI	none	Score	.7
Exons	128..841, 877..1096		
Seq. No.	40757	Seq. ID	OJ991111_19.0307.C21
Gene No.	84426	Strand	-
Start	110	End	1197
Name	OJ991111_19.0307.C21.o1.tw	Method	TBLASTX:Wheat
Start	164	End	580
GI	none	Score	242
Exons	164..580		
Seq. No.	40757	Seq. ID	OJ991111_19.0307.C21
Gene No.	84426	Strand	-
Start	110	End	1197
Name	OJ991111_19.0307.C21.o2.ts	Method	TBLASTX:Soybean
Start	820	End	1125
GI	none	Score	80
Exons	820..1125, 830..1024		
Seq. No.	40758	Seq. ID	OJ991111_08.0307.C1
Gene No.	84427	Strand	-
Start	530	End	992
Name	OJ991111_08.0307.C1.o1.ts	Method	TBLASTX:Soybean
Start	498	End	878
GI	none	Score	63
Exons	498..623, 515..619, 656..877, 674..877, 675..878		
Seq. No.	40758	Seq. ID	OJ991111_08.0307.C1
Gene No.	84427	Strand	-
Start	530	End	992
Name	OJ991111_08.0307.C1.o1.tm	Method	TBLASTX:Maize

Start	515	End	878
GI	none	Score	349
Exons	515..877, 520..876, 522..878		

Seq. No.	40758	Seq. ID	OJ991111_08.0307.C1
Gene No.	84427	Strand	-
Start	530	End	992
Name	OJ991111_08.0307.C1.o1.gs	Method	GENSCAN
Start	530	End	841
GI	none	Score	.76
Exons	530..841		

Seq. No.	40758	Seq. ID	OJ991111_08.0307.C1
Gene No.	84427	Strand	-
Start	530	End	992
Name	OJ991111_08.0307.C1.o1.np	Method	AAT/NAP
Start	533	End	992
GI	7486303	Score	254
Exons	533..992		
GI Descrip.	hypothetical protein F28J12.40 - Arabidopsis thaliana gi|2832643|emb|CAA16718.1| (AL021710) hypothetical protein [Arabidopsis thaliana] gi|7268631|emb|CAB78840.1| (AL161548) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40759	Seq. ID	OJ991111_08.0307.C2
Gene No.	84428	Strand	+
Start	552	End	976
Name	OJ991111_08.0307.C2.o1.gs	Method	GENSCAN
Start	552	End	976
GI	none	Score	.69
Exons	552..653, 779..901, 936..976		

Seq. No.	40759	Seq. ID	OJ991111_08.0307.C2
Gene No.	84428	Strand	+
Start	552	End	976
Name	OJ991111_08.0307.C2.o1.np	Method	AAT/NAP
Start	552	End	973
GI	6094049	Score	251
Exons	552..653, 779..847, 936..973		
GI Descrip.	60S RIBOSOMAL PROTEIN L30 gi|2668750 (AF034949) ribosomal protein L30 [Zea mays]		

Seq. No.	40759	Seq. ID	OJ991111_08.0307.C2
Gene No.	84429	Strand	-
Start	1061	End	1315
Name	OJ991111_08.0307.C2.o1.tm	Method	TBLASTX:Maize
Start	529	End	1163
GI	none	Score	177
Exons	529..663, 551..655, 555..662, 768..845, 773..844, 778..855, 778..855, 780..857, 921..977, 934..981, 935..982, 1086..1118, 1098..1163, 1119..1148		

Seq. No.	40759	Seq. ID	OJ991111_08.0307.C2
Gene No.	84429	Strand	-
Start	1061	End	1315
Name	OJ991111_08.0307.C2.o1.tw	Method	TBLASTX:Wheat
Start	529	End	981

GI	none	Score	178
Exons	529..663, 551..655, 768..848, 778..855, 779..853, 924..977, 934..978, 936..980, 937..981		
Seq. No.	40759	Seq. ID	OJ991111_08.0307.C2
Gene No.	84429	Strand	-
Start	1061	End	1315
Name	OJ991111_08.0307.C2.o1.ts	Method	TBLASTX:Soybean
Start	550	End	825
GI	none	Score	154
Exons	550..666, 551..655, 778..825, 780..824		
Seq. No.	40759	Seq. ID	OJ991111_08.0307.C2
Gene No.	84429	Strand	-
Start	1061	End	1315
Name	OJ991111_08.0307.C2.o1.gp	Method	AAT/GAP
Start	1061	End	1315
GI	2799381	Score	429
Exons	1061..1315		
Seq. No.	40760	Seq. ID	OJ991111_08.0307.C3
Gene No.	84430	Strand	+
Start	161	End	3009
Name	OJ991111_08.0307.C3.o1.gs	Method	GENSCAN
Start	161	End	3009
GI	none	Score	.47
Exons	161..392, 483..681, 705..851, 1706..1835, 1916..1996, 2718..2798, 2917..3009		
Seq. No.	40760	Seq. ID	OJ991111_08.0307.C3
Gene No.	84430	Strand	+
Start	161	End	3009
Name	OJ991111_08.0307.C3.o1.gp	Method	AAT/GAP
Start	353	End	681
GI	none	Score	562
Exons	353..681		
Seq. No.	40760	Seq. ID	OJ991111_08.0307.C3
Gene No.	84430	Strand	+
Start	161	End	3009
Name	OJ991111_08.0307.C3.o1.np	Method	AAT/NAP
Start	540	End	3009
GI	6970282	Score	550
Exons	540..681, 1515..1588, 1752..1835, 1916..1996, 2718..2798, 2917..3009		
GI Descrip.	(AC021666) unknown protein [Arabidopsis thaliana]		
Seq. No.	40760	Seq. ID	OJ991111_08.0307.C3
Gene No.	84430	Strand	+
Start	161	End	3009
Name	OJ991111_08.0307.C3.o1.tw	Method	TBLASTX:Wheat
Start	540	End	1963
GI	none	Score	133
Exons	540..683, 548..679, 1515..1583, 1516..1602, 1517..1597, 1746..1835, 1754..1834, 1915..1962, 1916..1963		
Seq. No.	40760	Seq. ID	OJ991111_08.0307.C3

Gene No.	84430	Strand	+
Start	161	End	3009
Name	OJ991111_08.0307.C3.o1.tm	Method	TBLASTX:Maize
Start	1746	End	3009
GI	none	Score	130
Exons	1746..1835, 1754..1834, 1916..1999, 1916..1999, 2717..2797, 2718..2798, 2914..3009, 2916..3005		

Seq. No.	40760	Seq. ID	OJ991111_08.0307.C3
Gene No.	84430	Strand	+
Start	161	End	3009
Name	OJ991111_08.0307.C3.o1.ts	Method	TBLASTX:Soybean
Start	1949	End	3009
GI	none	Score	65
Exons	1949..1999, 2717..2818, 2718..2798, 2914..3009, 2916..3008		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84431	Strand	+
Start	8398	End	11209
Name	OJ991111_08.0307.C4.o2.gp	Method	AAT/GAP
Start	8300	End	8449
GI	454555	Score	265
Exons	8300..8449		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84431	Strand	+
Start	8398	End	11209
Name	OJ991111_08.0307.C4.o2.np	Method	AAT/NAP
Start	8398	End	10916
GI	4336205	Score	1042
Exons	8398..8518, 8773..8914, 9010..9100, 9255..9332, 9464..9544, 9634..9723, 10358..10423, 10601..10687, 10827..10916		
GI Descrip.	(AF077372) cytochrome b5 reductase [Zea mays]		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84431	Strand	+
Start	8398	End	11209
Name	OJ991111_08.0307.C4.o3.gs	Method	GENSCAN
Start	8398	End	10919
GI	none	Score	.84
Exons	8398..8518, 8773..8914, 9010..9100, 9255..9332, 9464..9544, 9634..9723, 10358..10423, 10583..10687, 10827..10919		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84431	Strand	+
Start	8398	End	11209
Name	OJ991111_08.0307.C4.o3.gp	Method	AAT/GAP
Start	9215	End	11209
GI	19336_1.R1084	Score	1393
Exons	9215..9332, 9464..9544, 9634..9723, 10358..10423, 10601..10687, 10827..11209		
GI Descrip.	'4336205/gb|AAD17694| 3.0e-44 (AF077372) cytochrome b5 reductase [Zea mays]'		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84432	Strand	-
Start	1765	End	3992

Name	OJ991111_08.0307.C4.o1.gs	Method	GENSCAN
Start	1765	End	3992
GI	none	Score	.75
Exons	1765..1931, 2010..2174, 2801..2942, 3273..3509, 3864..3992		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o1.tm	Method	TBLASTX:Maize
Start	4745	End	5220
GI	none	Score	393
Exons	4745..5146, 4758..5219, 4760..5215, 4969..5220, 5014..5220		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o1.np	Method	AAT/NAP
Start	4756	End	5735
GI	4204263	Score	447
Exons	4756..5735		
GI Descrip.	(AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o2.gs	Method	GENSCAN
Start	4764	End	5849
GI	none	Score	.94
Exons	4764..5849		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o2.ts	Method	TBLASTX:Soybean
Start	4926	End	5205
GI	none	Score	137
Exons	4926..5204, 4995..5201, 5020..5205		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o1.tc	Method	TBLASTX:Cress
Start	4989	End	5213
GI	none	Score	125
Exons	4989..5213, 5004..5204, 5020..5211		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o2.tw	Method	TBLASTX:Wheat
Start	5055	End	5465
GI	none	Score	241
Exons	5055..5465, 5055..5408, 5210..5419		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620

Name	OJ991111_08.0307.C4.o4.tm	Method	TBLASTX:Maize
Start	5221	End	5636
GI	none	Score	78
Exons	5221..5286, 5221..5274, 5274..5306, 5295..5522, 5349..5480, 5353..5484, 5511..5543, 5595..5636		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84433	Strand	-
Start	4764	End	6620
Name	OJ991111_08.0307.C4.o1.gp	Method	AAT/GAP
Start	5400	End	6620
GI	2428691	Score	854
Exons	5400..5779, 6544..6620		
GI Descrip.	4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84434	Strand	
Start	8765	End	10984
Name	OJ991111_08.0307.C4.o1.tw	Method	TBLASTX:Wheat
Start	8765	End	10660
GI	none	Score	246
Exons	8765..8914, 8766..8915, 9002..9103, 9004..9111, 9246..9332, 9252..9332, 9253..9333, 9432..9545, 9459..9545, 9463..9546, 9464..9547, 9621..9725, 9622..9723, 9628..9726, 9638..9727, 9639..9725, 10352..10423, 10357..10449, 10598..10660, 10599..10649, 10600..10656		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84434	Strand	
Start	8765	End	10984
Name	OJ991111_08.0307.C4.o2.tm	Method	TBLASTX:Maize
Start	8765	End	9103
GI	none	Score	251
Exons	8765..8914, 8766..8915, 8783..8923, 8830..8922, 9002..9103, 9005..9103		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84434	Strand	
Start	8765	End	10984
Name	OJ991111_08.0307.C4.o1.ts	Method	TBLASTX:Soybean
Start	8771	End	10984
GI	none	Score	224
Exons	8771..8914, 8772..8915, 8832..8915, 9002..9103, 9004..9105, 9246..9332, 9252..9332, 9459..9545, 9461..9544, 9463..9546, 9464..9547, 9621..9725, 9622..9723, 9653..9727, 9654..9725, 10352..10423, 10598..10690, 10600..10683, 10824..10928, 10826..10933, 10826..10915, 10949..10984		

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84434	Strand	
Start	8765	End	10984
Name	OJ991111_08.0307.C4.o2.tc	Method	TBLASTX:Cress
Start	8775	End	10922
GI	none	Score	210
Exons	8775..8915, 8777..8914, 8829..8915, 8830..8916, 9002..9103, 9004..9105, 9236..9328, 9246..9344, 9252..9332, 9253..9339, 9462..9545, 9463..9546, 9463..9546, 9464..9547, 9621..9725,		

9622..9723, 9622..9726, 9641..9730, 10352..10423, 10584..10685, 10595..10687, 10598..10690, 10822..10917, 10823..10915, 10824..10922, 10833..10916

Seq. No.	40761	Seq. ID	OJ991111_08.0307.C4
Gene No.	84434	Strand	
Start	8765	End	10984
Name	OJ991111_08.0307.C4.o3.tm	Method	TBLASTX:Maize
Start	9236	End	10936
GI	none	Score	141
Exons	9236..9331, 9252..9332, 9252..9359, 9253..9333, 9459..9545, 9461..9544, 9463..9546, 9463..9546, 9464..9547, 9622..9723, 9628..9717, 9633..9725, 10352..10423, 10597..10686, 10598..10690, 10599..10685, 10600..10686, 10798..10920, 10823..10921, 10823..10936, 10824..10922		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84435	Strand	+
Start	1111	End	7425
Name	OJ991111_08.0307.C5.o1.gp	Method	AAT/GAP
Start	1111	End	1421
GI	none	Score	594
Exons	1111..1421		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84435	Strand	+
Start	1111	End	7425
Name	OJ991111_08.0307.C5.o1.gs	Method	GENSCAN
Start	1170	End	7425
GI	none	Score	.79
Exons	1170..1295, 3250..3354, 3608..4232, 4674..4864, 4958..5066, 5268..5416, 5805..6031, 7268..7425		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84435	Strand	+
Start	1111	End	7425
Name	OJ991111_08.0307.C5.o1.np	Method	AAT/NAP
Start	3244	End	7008
GI	7523406	Score	879
Exons	3244..3354, 3608..3713, 3747..4232, 4674..4864, 4958..5066, 5268..5416, 5805..6031, 6933..7008		
GI Descrip.	(AL138648) inositol-1, 4, 5-trisphosphate 5-Phosphatase-like protein [Arabidopsis thaliana]		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84435	Strand	+
Start	1111	End	7425
Name	OJ991111_08.0307.C5.o2.gp	Method	AAT/GAP
Start	4958	End	5997
GI	LIB3433-061-P1-K1-D1	Score	813
Exons	4958..5066, 5268..5416, 5805..5997		
GI Descrip.	'4263717/gb|AAD15403| 4.0e-47 (AC006223) putative inositol polyphosphate 5-phosphatase [Arabidopsis thaliana]'		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84436	Strand	+
Start	8677	End	14404

Name	OJ991111_08.0307.C5.o2.gs	Method	GENSCAN
Start	8677	End	14404
GI	none	Score	.65
Exons	8677..8873, 8975..9032, 9168..9272, 9514..9571, 10053..10228, 10333..10468, 10576..10839, 11960..12243, 13295..13480, 14234..14404		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84436	Strand	+
Start	8677	End	14404
Name	OJ991111_08.0307.C5.o2.np	Method	AAT/NAP
Start	8677	End	10868
GI	6437556	Score	757
Exons	8677..8761, 8821..8873, 8975..9032, 9168..9272, 9514..9571, 10053..10235, 10576..10868		
GI Descrip.	(AC011623) unknown protein [Arabidopsis thaliana]		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84436	Strand	+
Start	8677	End	14404
Name	OJ991111_08.0307.C5.o4.gp	Method	AAT/GAP
Start	8742	End	10140
GI	LIB3433-055-P1-K1-A4	Score	594
Exons	8742..8766, 8823..8873, 8975..9032, 9168..9272, 9514..9571, 10053..10140		
GI Descrip.	'2435511 3.0e-25 (AF024504) contains similarity to prolyl 4-hydroxylase alpha subunit [Arabidopsis thaliana]'		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84437	Strand	-
Start	7271	End	7511
Name	OJ991111_08.0307.C5.o3.gp	Method	AAT/GAP
Start	7271	End	7511
GI	28898_2.R1084	Score	368
Exons	7271..7511		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84438	Strand	-
Start	13707	End	15293
Name	OJ991111_08.0307.C5.o3.np	Method	AAT/NAP
Start	13707	End	15195
GI	3885343	Score	204
Exons	13707..13800, 14817..15195		
GI Descrip.	(AC005623) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84438	Strand	-
Start	13707	End	15293
Name	OJ991111_08.0307.C5.o5.gp	Method	AAT/GAP
Start	14286	End	15293
GI	29309_1.R1084	Score	1009
Exons	14286..14364, 14823..15293		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5

Gene No.	84438	Strand	-
Start	13707	End	15293
Name	OJ991111_08.0307.C5.o3.gs	Method	GENSCAN
Start	14803	End	15219
GI	none	Score	.77
Exons	14803..15219		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o2.tc	Method	TBLASTX:Cress
Start	3247	End	5934
GI	none	Score	100
Exons	3247..3354, 3248..3355, 3612..3743, 4098..4232, 4113..4232, 4671..4865, 4959..5072, 4959..5066, 5265..5402, 5267..5401, 5806..5934		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o2.tm	Method	TBLASTX:Maize
Start	3873	End	4714
GI	none	Score	167
Exons	3873..3989, 3875..3988, 3879..4007, 3883..4008, 4022..4195, 4029..4232, 4065..4232, 4084..4233, 4673..4714		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o3.ts	Method	TBLASTX:Soybean
Start	4095	End	5027
GI	none	Score	158
Exons	4095..4232, 4122..4232, 4671..4820, 4673..4741, 4959..5027		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o5.tm	Method	TBLASTX:Maize
Start	4716	End	5363
GI	none	Score	141
Exons	4716..4838, 4959..5081, 5249..5362, 5265..5363, 5267..5362		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o4.ts	Method	TBLASTX:Soybean
Start	5265	End	5877
GI	none	Score	196
Exons	5265..5417, 5273..5422, 5733..5876, 5806..5877		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o4.tm	Method	TBLASTX:Maize
Start	5364	End	6021
GI	none	Score	93
Exons	5364..5417, 5366..5422, 5772..5993, 5785..6021, 5805..5993,		

5806..5994

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o1.tm	Method	TBLASTX:Maize
Start	8808	End	10874
GI	none	Score	104
Exons	8808..8873, 8809..8874, 8972..9040, 8973..9041, 9167..9274, 9168..9272, 9170..9274, 9504..9581, 9514..9570, 10047..10157, 10051..10230, 10052..10228, 10424..10468, 10570..10860, 10572..10871, 10574..10870, 10575..10874		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o1.ts	Method	TBLASTX:Soybean
Start	8830	End	10885
GI	none	Score	51
Exons	8830..8874, 8973..9041, 9167..9265, 9168..9272, 9513..9581, 9514..9570, 10047..10160, 10051..10230, 10052..10228, 10432..10467, 10437..10466, 10568..10885, 10572..10874, 10574..10882		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o1.tc	Method	TBLASTX:Cress
Start	9167	End	10874
GI	none	Score	104
Exons	9167..9265, 9168..9272, 9514..9570, 10051..10239, 10052..10228, 10572..10871, 10574..10861, 10575..10874		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o2.ts	Method	TBLASTX:Soybean
Start	14824	End	15067
GI	none	Score	135
Exons	14824..14928, 14926..15066, 14930..15067		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o3.tm	Method	TBLASTX:Maize
Start	14878	End	15075
GI	none	Score	233
Exons	14878..15075, 14879..15070		

Seq. No.	40762	Seq. ID	OJ991111_08.0307.C5
Gene No.	84439	Strand	-
Start	18066	End	18675
Name	OJ991111_08.0307.C5.o4.gs	Method	GENSCAN
Start	18066	End	18675
GI	none	Score	.43
Exons	18066..18398, 18543..18675		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84440	Strand	+
Start	92	End	1448
Name	OJ991111_08.0307.C6.o1.np	Method	AAT/NAP
Start	92	End	1445
GI	6223653	Score	285
Exons	92..161, 711..1262, 1323..1445		
GI Descrip.	(AC011698) transfactor-like [Arabidopsis thaliana]		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84440	Strand	+
Start	92	End	1448
Name	OJ991111_08.0307.C6.o1.gs	Method	GENSCAN
Start	666	End	1448
GI	none	Score	.56
Exons	666..1448		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84441	Strand	+
Start	6569	End	8442
Name	OJ991111_08.0307.C6.o3.gs	Method	GENSCAN
Start	6569	End	8442
GI	none	Score	.69
Exons	6569..6609, 7299..7607, 7899..8442		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84441	Strand	+
Start	6569	End	8442
Name	OJ991111_08.0307.C6.o4.np	Method	AAT/NAP
Start	7339	End	7849
GI	5257279	Score	152
Exons	7339..7849		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84442	Strand	-
Start	1685	End	3816
Name	OJ991111_08.0307.C6.o3.np	Method	AAT/NAP
Start	1685	End	3816
GI	6815072	Score	101
Exons	1685..1702, 3558..3816		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84442	Strand	-
Start	1685	End	3816
Name	OJ991111_08.0307.C6.o2.np	Method	AAT/NAP
Start	2498	End	3426
GI	6862922	Score	234
Exons	2498..2540, 2635..2832, 2861..3194, 3302..3426		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84442	Strand	-
Start	1685	End	3816

Name	OJ991111_08.0307.C6.o2.gs	Method	GENSCAN
Start	2631	End	3356
GI	none	Score	.98
Exons	2631..3356		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84443	Strand	-
Start	6326	End	6818
Name	OJ991111_08.0307.C6.o1.tm	Method	TBLASTX:Maize
Start	1293	End	1544
GI	none	Score	189
Exons	1293..1448, 1299..1334, 1306..1452, 1415..1468, 1452..1541, 1452..1544		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84443	Strand	-
Start	6326	End	6818
Name	OJ991111_08.0307.C6.o1.tc	Method	TBLASTX:Cress
Start	2626	End	2951
GI	none	Score	105
Exons	2626..2748, 2661..2762, 2862..2951, 2866..2940		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84443	Strand	-
Start	6326	End	6818
Name	OJ991111_08.0307.C6.o1.ts	Method	TBLASTX:Soybean
Start	2638	End	2945
GI	none	Score	106
Exons	2638..2748, 2661..2777, 2862..2945, 2866..2940		

Seq. No.	40763	Seq. ID	OJ991111_08.0307.C6
Gene No.	84443	Strand	-
Start	6326	End	6818
Name	OJ991111_08.0307.C6.o1.gp	Method	AAT/GAP
Start	6326	End	6818
GI	576771	Score	843
Exons	6326..6536, 6563..6818		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84444	Strand	+
Start	1	End	18448
Name	OJ991111_08.0307.C7.o1.np	Method	AAT/NAP
Start	1	End	4740
GI	5257279	Score	815
Exons	1..94, 227..1347, 4701..4740		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84444	Strand	+
Start	1	End	18448
Name	OJ991111_08.0307.C7.o2.np	Method	AAT/NAP
Start	3553	End	18448
GI	5734709	Score	217
Exons	3553..3716, 13841..14015, 14239..14466, 15908..16052,		

	16268..16364, 18226..18448
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84444	Strand	+
Start	1	End	18448
Name	OJ991111_08.0307.C7.o3.gs	Method	GENSCAN
Start	5668	End	7887
GI	none	Score	.65
Exons	5668..5874, 5889..5939, 6283..6370, 6443..6569, 6984..7887		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84444	Strand	+
Start	1	End	18448
Name	OJ991111_08.0307.C7.o1.gp	Method	AAT/GAP
Start	6247	End	7102
GI	uC-osf1cyp107g11b1	Score	906
Exons	6247..6569, 6746..6808, 6984..7102		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84444	Strand	+
Start	1	End	18448
Name	OJ991111_08.0307.C7.o6.gs	Method	GENSCAN
Start	12751	End	14911
GI	none	Score	.46
Exons	12751..12922, 13006..13120, 13322..13459, 14139..14208, 14846..14911		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84444	Strand	+
Start	1	End	18448
Name	OJ991111_08.0307.C7.o2.gp	Method	AAT/GAP
Start	15691	End	16063
GI	67061_1.R1084	Score	722
Exons	15691..16063		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84445	Strand	-
Start	3314	End	4869
Name	OJ991111_08.0307.C7.o2.gs	Method	GENSCAN
Start	3314	End	4869
GI	none	Score	.83
Exons	3314..3453, 3485..3721, 4400..4517, 4589..4747, 4765..4869		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84446	Strand	-
Start	11220	End	12014
Name	OJ991111_08.0307.C7.o5.gs	Method	GENSCAN
Start	11220	End	12014
GI	none	Score	.99
Exons	11220..11533, 11768..12014		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7

Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o1.tw	Method	TBLASTX:Wheat
Start	169	End	534
GI	none	Score	170
Exons	169..366, 192..353, 391..534, 432..533		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o2.tw	Method	TBLASTX:Wheat
Start	859	End	1278
GI	none	Score	58
Exons	859..915, 976..1278, 1050..1244		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o1.tm	Method	TBLASTX:Maize
Start	7225	End	7760
GI	none	Score	47
Exons	7225..7257, 7227..7265, 7258..7587, 7344..7586, 7435..7587, 7707..7760		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o3.np	Method	AAT/NAP
Start	14415	End	17028
GI	1173302	Score	94
Exons	14415..14601, 16522..16666, 16941..17028		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S3 gi|769732|dbj|BAA04792| (D21251) ribosomal protein S3 [Oryza sativa]		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o2.tm	Method	TBLASTX:Maize
Start	15170	End	15599
GI	none	Score	72
Exons	15170..15220, 15170..15217, 15171..15218, 15309..15398, 15310..15402, 15317..15430, 15320..15403, 15517..15597, 15540..15599, 15542..15598		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o7.gs	Method	GENSCAN
Start	16040	End	17898
GI	none	Score	.42
Exons	16040..16487, 17738..17898		

Seq. No.	40764	Seq. ID	OJ991111_08.0307.C7
Gene No.	84447	Strand	-
Start	14415	End	17898
Name	OJ991111_08.0307.C7.o3.gp	Method	AAT/GAP
Start	17027	End	17092

GI	5607332	Score	77
Exons	17027..17092		
GI Descrip.	1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]		
Seq. No.	40765	Seq. ID	OJ991111_08.0307.C10
Gene No.	84448	Strand	+
Start	58	End	2303
Name	OJ991111_08.0307.C10.o1.gs	Method	GENSCAN
Start	58	End	2303
GI	none	Score	.84
Exons	58..134, 498..1307, 1334..2303		
Seq. No.	40765	Seq. ID	OJ991111_08.0307.C10
Gene No.	84449	Strand	-
Start	1	End	98
Name	OJ991111_08.0307.C10.o1.np	Method	AAT/NAP
Start	1	End	98
GI	6539561	Score	117
Exons	1..98		
GI Descrip.	(AP000836) ESTs AU081342(E50565),C98255(C1338), AU058346(E50565) correspond to a region of the predicted gene.; Similar to ribosomal protein L30 (AF034949) [Oryza sativa]		
Seq. No.	40765	Seq. ID	OJ991111_08.0307.C10
Gene No.	84450	Strand	
Start	1300	End	1826
Name	OJ991111_08.0307.C10.o1.tm	Method	TBLASTX:Maize
Start	1300	End	1727
GI	none	Score	39
Exons	1300..1326, 1314..1466, 1316..1348, 1353..1727, 1420..1458, 1448..1528		
Seq. No.	40765	Seq. ID	OJ991111_08.0307.C10
Gene No.	84450	Strand	
Start	1300	End	1826
Name	OJ991111_08.0307.C10.o1.ts	Method	TBLASTX:Soybean
Start	1488	End	1826
GI	none	Score	205
Exons	1488..1826		
Seq. No.	40765	Seq. ID	OJ991111_08.0307.C10
Gene No.	84451	Strand	
Start	2115	End	2308
Name	OJ991111_08.0307.C10.o2.tm	Method	TBLASTX:Maize
Start	2115	End	2308
GI	none	Score	264
Exons	2115..2285, 2117..2275, 2118..2276, 2119..2304, 2120..2308		
Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84452	Strand	+
Start	966	End	8122
Name	OJ991111_08.0307.C11.o1.gs	Method	GENSCAN
Start	966	End	8122
GI	none	Score	.73
Exons	966..1672, 1755..1809, 2912..3144, 3586..3793, 3983..4042, 4173..4319, 4350..4487, 5625..5785, 5910..5935, 6623..6753,		

6848..6922, 7360..7435, 8115..8122

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84452	Strand	+
Start	966	End	8122
Name	OJ991111_08.0307.C11.o1.np	Method	AAT/NAP
Start	966	End	4346
GI	860676	Score	1914
Exons	966..1672, 1755..1809, 2706..2816, 2912..3144, 3586..3793, 3983..4042, 4173..4346		
GI Descrip.	(U24188) calcium/calmodulin-dependent protein kinase [Lilium longiflorum] gi|1097385|prf||2113422A Ca/calmodulin-dependent protein kinase [Lilium longiflorum]		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84452	Strand	+
Start	966	End	8122
Name	OJ991111_08.0307.C11.o2.np	Method	AAT/NAP
Start	5680	End	7839
GI	122066	Score	224
Exons	5680..5784, 6646..6753, 6848..6922, 7360..7435, 7793..7839		
GI Descrip.	HISTONE H3.2 gi|84330|pir||B28852 histone H3.2 - Tetrahymena pyriformis (SGC5)		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84452	Strand	+
Start	966	End	8122
Name	OJ991111_08.0307.C11.o1.gp	Method	AAT/GAP
Start	7360	End	8097
GI	3762651	Score	700
Exons	7360..7435, 7793..8097		
GI Descrip.	9611/emb|X00593|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o5.tm	Method	TBLASTX:Maize
Start	940	End	1120
GI	none	Score	159
Exons	940..1065, 965..1075, 966..1076, 1059..1118, 1082..1120		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o4.tm	Method	TBLASTX:Maize
Start	1205	End	1337
GI	none	Score	208
Exons	1205..1336, 1206..1337, 1209..1337		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o1.tc	Method	TBLASTX:Cress
Start	1230	End	4310
GI	none	Score	309
Exons	1230..1610, 1233..1526, 1322..1600, 1605..1673, 2697..2819, 4221..4310		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o2.tw	Method	TBLASTX:Wheat
Start	1230	End	1496
GI	none	Score	215
Exons	1230..1493, 1236..1496		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o1.ts	Method	TBLASTX:Soybean
Start	1338	End	1646
GI	none	Score	397
Exons	1338..1646, 1338..1598, 1343..1645		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o2.tm	Method	TBLASTX:Maize
Start	1338	End	2783
GI	none	Score	448
Exons	1338..1676, 1343..1675, 1507..1677, 1755..1802, 1759..1818, 2694..2783		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o2.ts	Method	TBLASTX:Soybean
Start	2751	End	4343
GI	none	Score	67
Exons	2751..2819, 2912..3154, 2914..3150, 3498..3566, 3565..3798, 3586..3792, 3587..3796, 3965..4042, 3970..4038, 4169..4342, 4170..4343, 4185..4343		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o3.tm	Method	TBLASTX:Maize
Start	4162	End	4343
GI	none	Score	92
Exons	4162..4245, 4170..4343, 4170..4337, 4172..4342		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o2.gp	Method	AAT/GAP
Start	8532	End	9055
GI	LIB3434-029-P1-K1-D5	Score	942
Exons	8532..9055		
GI Descrip.	'9611/emb|X00593|LPH3H4 8.0e-09 Lytechinus pictus H3 and H4 gene'		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482

Name	OJ991111_08.0307.C11.o2.gs	Method	GENSCAN
Start	8641	End	12472
GI	none	Score	.72
Exons	8641..8935, 9972..10067, 10364..10407, 11338..11409, 11708..12472		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o3.np	Method	AAT/NAP
Start	10186	End	12304
GI	7489325	Score	459
Exons	10186..10263, 11338..11409, 11708..12055, 12095..12304		
GI Descrip.	Dc3 promoter-binding factor-3 - common sunflower (fragment) gi|3273764|gb|AAC24835.1| (AF061870) Dc3 promoter-binding factor-3 [Helianthus annuus]		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o1.tm	Method	TBLASTX:Maize
Start	11703	End	12482
GI	none	Score	104
Exons	11703..11771, 11708..11878, 11708..11878, 11817..11906, 11887..11949, 11981..12022, 12000..12023, 12072..12287, 12092..12304, 12353..12481, 12354..12482		

Seq. No.	40766	Seq. ID	OJ991111_08.0307.C11
Gene No.	84453	Strand	-
Start	8641	End	12482
Name	OJ991111_08.0307.C11.o1.tw	Method	TBLASTX:Wheat
Start	11798	End	12148
GI	none	Score	202
Exons	11798..11986, 11802..11996, 11990..12022, 11991..12023, 12049..12114, 12050..12115, 12059..12148, 12092..12139, 12093..12140		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84454	Strand	+
Start	238	End	8455
Name	OJ991111_08.0307.C12.o1.gs	Method	GENSCAN
Start	238	End	8455
GI	none	Score	.63
Exons	238..385, 1623..1823, 2845..2925, 3345..3505, 4033..4103, 4431..4550, 4892..5010, 5318..5399, 6034..6117, 6424..6526, 6695..6843, 6916..7170, 7715..8017, 8110..8347, 8430..8455		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84454	Strand	+
Start	238	End	8455
Name	OJ991111_08.0307.C12.o3.gp	Method	AAT/GAP
Start	2609	End	6077
GI	452_1.R1084	Score	2357
Exons	2609..2785, 3345..3505, 4033..4103, 4431..4550, 4892..5010, 5318..5399, 5523..6077		
GI Descrip.	'1703380/sp|P51823|ARF_ORYSA 1.0e-101 ADP-RIBOSYLATION FACTOR >gi_1132483_dbj_BAA04607_ (D17760) ADP-ribosylation factor		

[Oryza sativa]'

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84454	Strand	+
Start	238	End	8455
Name	OJ991111_08.0307.C12.o1.np	Method	AAT/NAP
Start	3358	End	5402
GI	1703380	Score	815
Exons	3358..3505, 4033..4103, 4431..4550, 4892..5010, 5318..5402		
GI Descrip.	ADP-RIBOSYLATION FACTOR gi|1132483|dbj|BAA04607| (D17760) ADP-ribosylation factor [Oryza sativa]		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84455	Strand	-
Start	4	End	424
Name	OJ991111_08.0307.C12.o1.gp	Method	AAT/GAP
Start	4	End	424
GI	uC-osflcyp106h06a1	Score	389
Exons	4..118, 308..424		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 3.0e-34 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693
Name	OJ991111_08.0307.C12.o1.tm	Method	TBLASTX:Maize
Start	3199	End	4091
GI	none	Score	57
Exons	3199..3261, 3213..3260, 3351..3506, 3352..3507, 4025..4090, 4026..4091		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693
Name	OJ991111_08.0307.C12.o1.tc	Method	TBLASTX:Cress
Start	3312	End	5400
GI	none	Score	98
Exons	3312..3506, 3318..3503, 3319..3507, 3872..3895, 4025..4102, 4026..4109, 4032..4103, 4034..4114, 4428..4550, 4428..4547, 4441..4551, 4889..4927, 4924..5013, 4928..5014, 4928..5014, 5313..5399, 5317..5400, 5318..5398		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693
Name	OJ991111_08.0307.C12.o1.ts	Method	TBLASTX:Soybean
Start	3343	End	5406
GI	none	Score	252
Exons	3343..3507, 3345..3506, 4025..4102, 4026..4109, 4035..4103, 4040..4114, 4428..4550, 4428..4550, 4430..4567, 4438..4551, 4889..5014, 4918..5013, 5313..5399, 5317..5406, 5318..5401		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693

Name	OJ991111_08.0307.C12.o1.tw	Method	TBLASTX:Wheat
Start	3343	End	4465
GI	none	Score	268
Exons	3343..3507, 3345..3506, 3349..3510, 4025..4108, 4026..4109, 4428..4463, 4428..4463, 4429..4464, 4430..4465		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693
Name	OJ991111_08.0307.C12.o2.tm	Method	TBLASTX:Maize
Start	4428	End	5401
GI	none	Score	211
Exons	4428..4550, 4428..4550, 4429..4551, 4881..5012, 4889..5014, 4918..5013, 5313..5399, 5317..5400, 5318..5401		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693
Name	OJ991111_08.0307.C12.o2.tw	Method	TBLASTX:Wheat
Start	4465	End	5422
GI	none	Score	140
Exons	4465..4551, 4467..4550, 4468..4551, 4889..5014, 4918..5013, 4929..5030, 4930..5016, 5313..5399, 5313..5405, 5317..5406, 5318..5422		

Seq. No.	40767	Seq. ID	OJ991111_08.0307.C12
Gene No.	84456	Strand	-
Start	8842	End	9693
Name	OJ991111_08.0307.C12.o2.gs	Method	GENSCAN
Start	8842	End	9693
GI	none	Score	.67
Exons	8842..9060, 9152..9244, 9329..9693		

Seq. No.	40768	Seq. ID	OJ991111_07.0330.C2
Gene No.	84457	Strand	+
Start	1	End	703
Name	OJ991111_07.0330.C2.o1.np	Method	AAT/NAP
Start	1	End	703
GI	4903018	Score	410
Exons	1..504, 650..703		
GI Descrip.	(AB027507) ACE [Arabidopsis thaliana]		

Seq. No.	40768	Seq. ID	OJ991111_07.0330.C2
Gene No.	84457	Strand	+
Start	1	End	703
Name	OJ991111_07.0330.C2.o1.ts	Method	TBLASTX:Soybean
Start	96	End	537
GI	none	Score	449
Exons	96..503, 103..537		

Seq. No.	40768	Seq. ID	OJ991111_07.0330.C2
Gene No.	84457	Strand	+
Start	1	End	703
Name	OJ991111_07.0330.C2.o1.tm	Method	TBLASTX:Maize
Start	105	End	530
GI	none	Score	548
Exons	105..503, 106..507, 114..530		

Seq. No.	40768	Seq. ID	OJ991111_07.0330.C2
Gene No.	84457	Strand	+
Start	1	End	703
Name	OJ991111_07.0330.C2.o1.gp	Method	AAT/GAP
Start	173	End	504
GI	27472_1.R1084	Score	552
Exons	173..504		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	40768	Seq. ID	OJ991111_07.0330.C2
Gene No.	84457	Strand	+
Start	1	End	703
Name	OJ991111_07.0330.C2.o1.tc	Method	TBLASTX:Cress
Start	175	End	452
GI	none	Score	312
Exons	175..447, 201..452		

Seq. No.	40769	Seq. ID	OJ991111_07.0330.C3
Gene No.	84458	Strand	+
Start	1187	End	5031
Name	OJ991111_07.0330.C3.o1.gs	Method	GENSCAN
Start	1187	End	5031
GI	none	Score	.61
Exons	1187..1348, 2462..2541, 2708..2759, 2815..2875, 4034..4205, 4749..5031		

Seq. No.	40769	Seq. ID	OJ991111_07.0330.C3
Gene No.	84459	Strand	-
Start	7044	End	8393
Name	OJ991111_07.0330.C3.o2.gs	Method	GENSCAN
Start	7044	End	8393
GI	none	Score	.76
Exons	7044..7066, 7777..7884, 8175..8393		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84460	Strand	+
Start	3229	End	8378
Name	OJ991111_07.0330.C4.o1.gs	Method	GENSCAN
Start	3229	End	8378
GI	none	Score	.61
Exons	3229..6245, 6739..6835, 6885..6888, 7657..8378		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84460	Strand	+
Start	3229	End	8378
Name	OJ991111_07.0330.C4.o1.np	Method	AAT/NAP
Start	3229	End	5409
GI	6437559	Score	855
Exons	3229..4011, 4093..4374, 4480..5409		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84460	Strand	+
Start	3229	End	8378

Name	OJ991111_07.0330.C4.o2.np	Method	AAT/NAP
Start	3315	End	5409
GI	6437559	Score	780
Exons	3315..4011, 4093..4374, 4480..5409		
GI Descrip.	(AC011623) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84460	Strand	+
Start	3229	End	8378
Name	OJ991111_07.0330.C4.o1.gp	Method	AAT/GAP
Start	4040	End	4322
GI	none	Score	566
Exons	4040..4322		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84460	Strand	+
Start	3229	End	8378
Name	OJ991111_07.0330.C4.o2.gp	Method	AAT/GAP
Start	6025	End	6444
GI	none	Score	804
Exons	6025..6444		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84460	Strand	+
Start	3229	End	8378
Name	OJ991111_07.0330.C4.o3.np	Method	AAT/NAP
Start	6803	End	8330
GI	7487705	Score	159
Exons	6803..6900, 8014..8330		
GI Descrip.	hypothetical protein T5J17.240 - Arabidopsis thaliana (fragment)		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84461	Strand	+
Start	9200	End	10642
Name	OJ991111_07.0330.C4.o4.np	Method	AAT/NAP
Start	9200	End	10642
GI	1946279	Score	69
Exons	9200..9359, 10624..10642		
GI Descrip.	(Y12433) polyprotein; reverse transcriptase, RNase H [pineapple bacilliform virus]		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84462	Strand	+
Start	18117	End	19389
Name	OJ991111_07.0330.C4.o7.np	Method	AAT/NAP
Start	18117	End	19389
GI	7523512	Score	208
Exons	18117..18154, 19260..19389		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o3.tc	Method	TBLASTX:Cress
Start	3194	End	3606
GI	none	Score	73
Exons	3194..3256, 3358..3420, 3359..3400, 3420..3596, 3421..3606		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o4.tm	Method	TBLASTX:Maize
Start	3283	End	3639
GI	none	Score	54
Exons	3283..3357, 3295..3333, 3354..3542, 3358..3639, 3359..3529, 3372..3599		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o3.tw	Method	TBLASTX:Wheat
Start	3409	End	3624
GI	none	Score	210
Exons	3409..3624, 3417..3587		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o3.tm	Method	TBLASTX:Maize
Start	3768	End	4071
GI	none	Score	333
Exons	3768..3980, 3769..4005, 3770..4012, 3982..4071, 4012..4071		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o2.tw	Method	TBLASTX:Wheat
Start	4633	End	5769
GI	none	Score	122
Exons	4633..4797, 5533..5769, 5542..5766		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o1.tm	Method	TBLASTX:Maize
Start	4660	End	6268
GI	none	Score	128
Exons	4660..4797, 4948..5088, 5572..5913, 5585..5914, 5591..5926, 5604..5927, 5751..5927, 5915..6265, 5915..6268, 5916..6266, 5917..6267		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o4.tc	Method	TBLASTX:Cress
Start	4870	End	5994
GI	none	Score	186
Exons	4870..5181, 5911..5994		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o3.ts	Method	TBLASTX:Soybean
Start	4951	End	6255

GI	4396873	Score	87
Exons	4951..5043, 5812..5907, 5910..6143, 5917..6138, 6163..6255		
GI Descrip.	4432867/gb_AAD20715_ 2.0e-09 (AC006300) putative dnaJ-like protein [Arabidopsis thaliana]		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o1.tw	Method	TBLASTX:Wheat
Start	4984	End	6276
GI	none	Score	99
Exons	4984..5088, 5916..6125, 5917..6108, 5922..6110, 6120..6266, 6121..6276, 6124..6270		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o5.tm	Method	TBLASTX:Maize
Start	5125	End	5370
GI	none	Score	135
Exons	5125..5220, 5125..5220, 5126..5224, 5127..5222, 5144..5224, 5202..5357, 5220..5366, 5224..5367, 5224..5370		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o6.tm	Method	TBLASTX:Maize
Start	8177	End	22218
GI	none	Score	157
Exons	8177..8323, 8178..8318, 20786..20932, 21946..22092, 21950..22090, 22138..22218		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o4.tw	Method	TBLASTX:Wheat
Start	8178	End	22093
GI	none	Score	138
Exons	8178..8309, 8222..8308, 20804..20932, 20805..20939, 21964..22092, 21965..22093		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o2.tm	Method	TBLASTX:Maize
Start	10690	End	12629
GI	none	Score	48
Exons	10690..10734, 10691..10747, 10730..10801, 10730..10807, 10735..10821, 10770..10889, 10778..10891, 10795..10884, 11288..11428, 11292..11432, 11301..11423, 11479..11589, 11479..11589, 11654..11710, 12016..12123, 12017..12121, 12018..12122, 12019..12123, 12197..12238, 12198..12263, 12199..12237, 12328..12540, 12329..12439, 12330..12533, 12479..12535, 12528..12629, 12529..12627, 12530..12628		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-

Start	10699	End	25435
Name	OJ991111_07.0330.C4.o2.gs	Method	GENSCAN
Start	10699	End	19346
GI	none	Score	.74
Exons	10699..10878, 11298..11447, 11503..11571, 12016..12120, 12199..12237, 12330..12635, 12781..12870, 12948..12989, 13108..13194, 14617..14802, 15233..15418, 15550..16074, 16942..17079, 17890..18029, 18219..18390, 18793..18835, 19135..19346		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o5.np	Method	AAT/NAP
Start	10720	End	15831
GI	7446108	Score	1053
Exons	10720..10878, 11298..11423, 11503..11571, 12016..12120, 12199..12237, 12330..12658, 12902..12986, 13108..13194, 14617..14802, 15233..15418, 15550..15831		
GI Descrip.	ATP-dependent helicase F6H11.20 - Arabidopsis thaliana gi|2827700|emb|CAA16673.1| (AL021684) DEAD box ATP dependent helicase protein [Arabidopsis thaliana]		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o1.tc	Method	TBLASTX:Cress
Start	10790	End	12540
GI	none	Score	80
Exons	10790..10894, 10792..10884, 11301..11423, 11323..11424, 11326..11427, 12008..12109, 12016..12120, 12205..12237, 12209..12232, 12328..12420, 12330..12533, 12442..12540		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o1.ts	Method	TBLASTX:Soybean
Start	12040	End	12461
GI	none	Score	62
Exons	12040..12123, 12041..12109, 12197..12232, 12199..12237, 12328..12444, 12328..12450, 12330..12461		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o2.ts	Method	TBLASTX:Soybean
Start	12772	End	15319
GI	none	Score	64
Exons	12772..12825, 12945..12992, 13111..13185, 13117..13200, 14617..14802, 14618..14803, 15227..15319, 15228..15317		

Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o7.tm	Method	TBLASTX:Maize
Start	12780	End	13197
GI	none	Score	89

Exons	12780..12878, 12781..12876, 12934..12987, 12945..12992, 12945..12992, 13111..13185, 13115..13195, 13116..13196, 13117..13197		
Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o2.tc	Method	TBLASTX:Cress
Start	14713	End	15421
GI	none	Score	77
Exons	14713..14802, 14714..14794, 15233..15421, 15237..15413		
Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o6.np	Method	AAT/NAP
Start	18337	End	25435
GI	5042454	Score	183
Exons	18337..18397, 18799..18965, 22080..22224, 25381..25435		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o8.np	Method	AAT/NAP
Start	19606	End	25435
GI	7485548	Score	220
Exons	19606..19654, 20780..20978, 21060..21243, 21866..22180, 25375..25435		
GI Descrip.	hypothetical protein F16B22.7 - Arabidopsis thaliana gi|3341678|gb|AAC27460.1| (AC003672) putative C3HC4-type RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	40770	Seq. ID	OJ991111_07.0330.C4
Gene No.	84463	Strand	-
Start	10699	End	25435
Name	OJ991111_07.0330.C4.o3.gs	Method	GENSCAN
Start	20732	End	22533
GI	none	Score	.58
Exons	20732..21352, 21883..22533		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84464	Strand	+
Start	1071	End	2136
Name	OJ991111_07.0330.C5.o1.gs	Method	GENSCAN
Start	1071	End	2136
GI	none	Score	.58
Exons	1071..1121, 2029..2136		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84465	Strand	+
Start	6478	End	7707
Name	OJ991111_07.0330.C5.o3.gs	Method	GENSCAN
Start	6478	End	7707
GI	none	Score	.93
Exons	6478..7707		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84466	Strand	+
Start	8317	End	9675
Name	OJ991111_07.0330.C5.o4.gs	Method	GENSCAN
Start	8317	End	9675
GI	none	Score	1
Exons	8317..9675		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84466	Strand	+
Start	8317	End	9675
Name	OJ991111_07.0330.C5.o2.np	Method	AAT/NAP
Start	8377	End	9624
GI	6997177	Score	1014
Exons	8377..9624		
GI Descrip.	(AC023839) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84467	Strand	+
Start	22940	End	23275
Name	OJ991111_07.0330.C5.o8.gs	Method	GENSCAN
Start	22940	End	23275
GI	none	Score	.95
Exons	22940..23275		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84468	Strand	-
Start	388	End	3199
Name	OJ991111_07.0330.C5.o1.np	Method	AAT/NAP
Start	388	End	3199
GI	7106528	Score	89
Exons	388..506, 3147..3199		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84469	Strand	-
Start	10277	End	12102
Name	OJ991111_07.0330.C5.o5.gs	Method	GENSCAN
Start	10277	End	12102
GI	none	Score	.66
Exons	10277..10481, 10668..10805, 12095..12102		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84470	Strand	-
Start	12450	End	13823
Name	OJ991111_07.0330.C5.o6.gs	Method	GENSCAN
Start	12450	End	13823
GI	none	Score	.46
Exons	12450..12613, 13757..13823		

Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84471	Strand	-
Start	15236	End	22026
Name	OJ991111_07.0330.C5.o1.tm	Method	TBLASTX:Maize
Start	8518	End	9174
GI	none	Score	347

Exons	8518..8973, 8571..8948, 8596..8949, 8977..9009, 9027..9086, 9028..9081, 9082..9174		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84471	Strand	-
Start	15236	End	22026
Name	OJ991111_07.0330.C5.o2.tw	Method	TBLASTX:Wheat
Start	8518	End	8894
GI	none	Score	307
Exons	8518..8892, 8568..8894		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84471	Strand	-
Start	15236	End	22026
Name	OJ991111_07.0330.C5.o1.tw	Method	TBLASTX:Wheat
Start	9024	End	9438
GI	none	Score	75
Exons	9024..9200, 9024..9191, 9025..9201, 9193..9438, 9238..9438		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84471	Strand	-
Start	15236	End	22026
Name	OJ991111_07.0330.C5.o2.tm	Method	TBLASTX:Maize
Start	9178	End	9450
GI	none	Score	181
Exons	9178..9345, 9204..9344, 9295..9351, 9385..9450, 9391..9447, 9414..9449		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84471	Strand	-
Start	15236	End	22026
Name	OJ991111_07.0330.C5.o7.gs	Method	GENSCAN
Start	15236	End	16024
GI	none	Score	.46
Exons	15236..16024		
Seq. No.	40771	Seq. ID	OJ991111_07.0330.C5
Gene No.	84471	Strand	-
Start	15236	End	22026
Name	OJ991111_07.0330.C5.o3.np	Method	AAT/NAP
Start	15516	End	22026
GI	4510378	Score	148
Exons	15516..15760, 19009..19265, 21994..22026		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	40772	Seq. ID	OJ991111_07.0330.C6
Gene No.	84472	Strand	+
Start	504	End	634
Name	OJ991111_07.0330.C6.o1.gs	Method	GENSCAN
Start	504	End	634
GI	none	Score	.67
Exons	504..634		
Seq. No.	40772	Seq. ID	OJ991111_07.0330.C6
Gene No.	84473	Strand	+
Start	4835	End	7663

Name	OJ991111_07.0330.C6.o2.gs	Method	GENSCAN
Start	4835	End	7663
GI	none	Score	.47
Exons	4835..4961, 7109..7411, 7542..7663		

Seq. No.	40772	Seq. ID	OJ991111_07.0330.C6
Gene No.	84474	Strand	-
Start	8870	End	9277
Name	OJ991111_07.0330.C6.o1.tm	Method	TBLASTX:Maize
Start	8864	End	9254
GI	none	Score	145
Exons	8864..9007, 8865..9071, 9081..9239, 9081..9254		

Seq. No.	40772	Seq. ID	OJ991111_07.0330.C6
Gene No.	84474	Strand	-
Start	8870	End	9277
Name	OJ991111_07.0330.C6.o1.np	Method	AAT/NAP
Start	8870	End	9277
GI	7363274	Score	323
Exons	8870..9277		
GI Descrip.	(AP001552) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F17A8; putative protein. (AL049482) [Oryza sativa]		

Seq. No.	40773	Seq. ID	OJ991111_07.0330.C8
Gene No.	84475	Strand	+
Start	371	End	2294
Name	OJ991111_07.0330.C8.o1.np	Method	AAT/NAP
Start	371	End	2294
GI	7523502	Score	195
Exons	371..464, 778..961, 2270..2294		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40773	Seq. ID	OJ991111_07.0330.C8
Gene No.	84476	Strand	-
Start	770	End	4662
Name	OJ991111_07.0330.C8.o1.gs	Method	GENSCAN
Start	770	End	4662
GI	none	Score	.61
Exons	770..892, 2190..2464, 2661..2819, 3802..3901, 4205..4226, 4600..4662		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84477	Strand	+
Start	1382	End	1507
Name	OJ991111_07.0330.C9.o1.gs	Method	GENSCAN
Start	1382	End	1507
GI	none	Score	.96
Exons	1382..1507		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84478	Strand	+
Start	2058	End	3468
Name	OJ991111_07.0330.C9.o2.gs	Method	GENSCAN
Start	2058	End	3468
GI	none	Score	.57
Exons	2058..2143, 2501..2574, 2657..3468		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84479	Strand	+
Start	3641	End	8914
Name	OJ991111_07.0330.C9.o3.gs	Method	GENSCAN
Start	3641	End	8646
GI	none	Score	.59
Exons	3641..4040, 4281..5677, 5753..6606, 6779..6966, 7060..7368, 7424..7510, 7580..7761, 8104..8300, 8412..8646		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84479	Strand	+
Start	3641	End	8914
Name	OJ991111_07.0330.C9.o1.np	Method	AAT/NAP
Start	3953	End	8914
GI	7228457	Score	3088
Exons	3953..5536, 5594..7304, 7369..8914		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84480	Strand	+
Start	12517	End	13442
Name	OJ991111_07.0330.C9.o5.gs	Method	GENSCAN
Start	12517	End	13442
GI	none	Score	.6
Exons	12517..13004, 13027..13163, 13369..13442		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84481	Strand	+
Start	13525	End	14093
Name	OJ991111_07.0330.C9.o1.gp	Method	AAT/GAP
Start	13525	End	14093
GI	4879016	Score	880
Exons	13525..14093		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84482	Strand	-
Start	9494	End	13069
Name	OJ991111_07.0330.C9.o4.gs	Method	GENSCAN
Start	9494	End	12389
GI	none	Score	.78
Exons	9494..9944, 10160..10284, 10598..10873, 10990..11123, 11148..11286, 11292..11610, 11653..11734, 11774..12389		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84482	Strand	-
Start	9494	End	13069
Name	OJ991111_07.0330.C9.o3.np	Method	AAT/NAP
Start	9917	End	11636
GI	7488857	Score	103
Exons	9917..9937, 11329..11636		
GI Descrip.	hypothetical protein - fava bean (fragment) gi|2522230|dbj|BAA22788.1| (AB007467) retrotransposon-like gene;		

the first amino acid was determined to be leucine [Vicia faba]

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84482	Strand	-
Start	9494	End	13069
Name	OJ991111_07.0330.C9.o4.np	Method	AAT/NAP
Start	10209	End	13069
GI	4417306	Score	261
Exons	10209..10256, 12327..12400, 12459..13069		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84482	Strand	-
Start	9494	End	13069
Name	OJ991111_07.0330.C9.o2.np	Method	AAT/NAP
Start	10385	End	10908
GI	6721561	Score	582
Exons	10385..10908		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o8.tw	Method	TBLASTX:Wheat
Start	4033	End	4429
GI	none	Score	59
Exons	4033..4083, 4084..4152, 4176..4256, 4253..4429		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o5.tw	Method	TBLASTX:Wheat
Start	5060	End	5515
GI	none	Score	148
Exons	5060..5242, 5068..5241, 5279..5515, 5281..5466		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o1.tw	Method	TBLASTX:Wheat
Start	5707	End	6163
GI	none	Score	565
Exons	5707..6162, 5708..6163		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o2.ts	Method	TBLASTX:Soybean
Start	5747	End	6112
GI	none	Score	110
Exons	5747..5971, 5978..6112		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o1.tm	Method	TBLASTX:Maize
Start	5837	End	6193
GI	none	Score	411
Exons	5837..6193, 5891..6142, 5899..6171		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o3.tm	Method	TBLASTX:Maize
Start	6221	End	6604
GI	none	Score	289
Exons	6221..6604, 6388..6603		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o3.tw	Method	TBLASTX:Wheat
Start	6278	End	6728
GI	none	Score	367
Exons	6278..6637, 6279..6497, 6388..6636, 6666..6728		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o1.ts	Method	TBLASTX:Soybean
Start	6332	End	6785
GI	none	Score	203
Exons	6332..6634, 6666..6785		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o6.tw	Method	TBLASTX:Wheat
Start	6875	End	7283
GI	none	Score	205
Exons	6875..7102, 6876..7100, 7110..7283, 7139..7282		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o9.tw	Method	TBLASTX:Wheat
Start	7315	End	7641
GI	none	Score	192
Exons	7315..7641, 7317..7574		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o2.tm	Method	TBLASTX:Maize
Start	7783	End	8094
GI	none	Score	351
Exons	7783..8094, 7800..8087		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9

Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o4.tw	Method	TBLASTX:Wheat
Start	7783	End	8166
GI	none	Score	370
Exons	7783..8166, 7791..8165		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o2.tw	Method	TBLASTX:Wheat
Start	8289	End	8905
GI	none	Score	60
Exons	8289..8546, 8290..8742, 8304..8390, 8439..8546, 8768..8905, 8779..8904		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o7.tw	Method	TBLASTX:Wheat
Start	12478	End	12816
GI	none	Score	108
Exons	12478..12684, 12700..12816		

Seq. No.	40774	Seq. ID	OJ991111_07.0330.C9
Gene No.	84483	Strand	-
Start	17040	End	18706
Name	OJ991111_07.0330.C9.o7.gs	Method	GENSCAN
Start	17040	End	18706
GI	none	Score	.72
Exons	17040..17071, 17336..17490, 18369..18462, 18511..18706		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84484	Strand	+
Start	117	End	10080
Name	OJ991111_07.0330.C10.o1.gs	Method	GENSCAN
Start	117	End	10080
GI	none	Score	.54
Exons	117..304, 658..772, 933..1228, 1574..1647, 2883..3079, 4205..4487, 7592..7704, 7924..8040, 8198..8739, 8764..9081, 9250..10080		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o4.tm	Method	TBLASTX:Maize
Start	5035	End	6902
GI	none	Score	78
Exons	5035..5160, 5058..5318, 5073..5318, 5185..5328, 5369..5404, 5378..5443, 6432..6506, 6436..6504, 6547..6825, 6551..6862, 6552..6806, 6586..6819, 6861..6902		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o1.np	Method	AAT/NAP
Start	9045	End	14099

GI	7489805	Score	2562
Exons	9045..9079, 10385..13675, 13794..14099		
GI Descrip.	polyprotein - maize retrotransposon Cinful-1 gi|4206306|gb|AAD11615.1| (AF049110) prpol [Zea mays]		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o2.gs	Method	GENSCAN
Start	10536	End	13651
GI	none	Score	.72
Exons	10536..11830, 11924..12311, 12371..13651		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o2.ts	Method	TBLASTX:Soybean
Start	10626	End	11000
GI	none	Score	102
Exons	10626..10850, 10857..11000		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o5.tm	Method	TBLASTX:Maize
Start	10635	End	10812
GI	none	Score	73
Exons	10635..10811, 10653..10811, 10675..10812		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o4.tw	Method	TBLASTX:Wheat
Start	10773	End	11162
GI	none	Score	50
Exons	10773..11162, 10855..10896, 10951..11118		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o2.tm	Method	TBLASTX:Maize
Start	10812	End	11270
GI	none	Score	50
Exons	10812..11270, 10813..10905, 10951..11163, 10986..11207		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o3.tw	Method	TBLASTX:Wheat
Start	11472	End	11903
GI	none	Score	134
Exons	11472..11903, 11473..11763		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o5.tw	Method	TBLASTX:Wheat

Start	11904	End	12095
GI	none	Score	63
Exons	11904..12095, 11958..12083		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o1.ts	Method	TBLASTX:Soybean
Start	12136	End	12553
GI	none	Score	54
Exons	12136..12246, 12180..12347, 12332..12553, 12360..12503		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o2.tw	Method	TBLASTX:Wheat
Start	12180	End	12599
GI	none	Score	52
Exons	12180..12356, 12286..12372, 12338..12598, 12348..12599		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o3.tm	Method	TBLASTX:Maize
Start	12273	End	12655
GI	none	Score	196
Exons	12273..12347, 12338..12655, 12378..12614		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o1.tm	Method	TBLASTX:Maize
Start	12683	End	13040
GI	none	Score	213
Exons	12683..13039, 12684..13040		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o1.tw	Method	TBLASTX:Wheat
Start	12713	End	13168
GI	none	Score	266
Exons	12713..13168, 12714..13118		

Seq. No.	40775	Seq. ID	OJ991111_07.0330.C10
Gene No.	84485	Strand	-
Start	9045	End	14099
Name	OJ991111_07.0330.C10.o3.ts	Method	TBLASTX:Soybean
Start	12764	End	13129
GI	none	Score	115
Exons	12764..12898, 12905..13129		

Seq. No.	40776	Seq. ID	OJ990921_14.0308.C6
Gene No.	84486	Strand	-
Start	3320	End	5000
Name	OJ990921_14.0308.C6.o1.tc	Method	TBLASTX:Cress
Start	817	End	4481

GI	none	Score	61
Exons	817..912, 4152..4481, 4164..4217, 4252..4308		

Seq. No.	40776	Seq. ID	OJ990921_14.0308.C6
Gene No.	84486	Strand	-
Start	3320	End	5000
Name	OJ990921_14.0308.C6.o1.gp	Method	AAT/GAP
Start	3320	End	5000
GI	1062_1.R1084	Score	2768
Exons	3320..4027, 4155..4501, 4619..5000		
GI Descrip.	'4106673/emb|CAA22613| 7.0e-35 (AL035064) queuine trna-ribosyltransferase [Schizosaccharomyces pombe]'		

Seq. No.	40776	Seq. ID	OJ990921_14.0308.C6
Gene No.	84486	Strand	-
Start	3320	End	5000
Name	OJ990921_14.0308.C6.o1.tm	Method	TBLASTX:Maize
Start	3546	End	4502
GI	none	Score	37
Exons	3546..3626, 3605..3724, 3641..3769, 3675..3767, 3980..4036, 4131..4250, 4149..4421, 4155..4394, 4252..4422, 4458..4502		

Seq. No.	40776	Seq. ID	OJ990921_14.0308.C6
Gene No.	84486	Strand	-
Start	3320	End	5000
Name	OJ990921_14.0308.C6.o1.ts	Method	TBLASTX:Soybean
Start	4149	End	4422
GI	none	Score	92
Exons	4149..4421, 4252..4311, 4387..4422		

Seq. No.	40776	Seq. ID	OJ990921_14.0308.C6
Gene No.	84486	Strand	-
Start	3320	End	5000
Name	OJ990921_14.0308.C6.o1.tw	Method	TBLASTX:Wheat
Start	4221	End	4493
GI	none	Score	165
Exons	4221..4394, 4221..4421, 4252..4422, 4461..4493		

Seq. No.	40777	Seq. ID	OJ990921_14.0308.C10
Gene No.	84487	Strand	+
Start	2835	End	4633
Name	OJ990921_14.0308.C10.o3.tm	Method	TBLASTX:Maize
Start	536	End	751
GI	none	Score	61
Exons	536..574, 536..571, 537..605, 538..606, 566..751, 582..737, 592..750		

Seq. No.	40777	Seq. ID	OJ990921_14.0308.C10
Gene No.	84487	Strand	+
Start	2835	End	4633
Name	OJ990921_14.0308.C10.o1.tm	Method	TBLASTX:Maize
Start	1052	End	1338
GI	none	Score	271
Exons	1052..1309, 1072..1308, 1075..1338		

Seq. No.	40777	Seq. ID	OJ990921_14.0308.C10
Gene No.	84487	Strand	+

Start	2835	End	4633
Name	OJ990921_14.0308.C10.o1.ts	Method	TBLASTX:Soybean
Start	1066	End	1305
GI	none	Score	72
Exons	1066..1227, 1219..1305		

Seq. No.	40777	Seq. ID	OJ990921_14.0308.C10
Gene No.	84487	Strand	+
Start	2835	End	4633
Name	OJ990921_14.0308.C10.o1.gp	Method	AAT/GAP
Start	2835	End	4633
GI	none	Score	1218
Exons	2835..2965, 3067..3120, 3220..3330, 3412..3482, 3747..3940, 4510..4633		

Seq. No.	40777	Seq. ID	OJ990921_14.0308.C10
Gene No.	84487	Strand	+
Start	2835	End	4633
Name	OJ990921_14.0308.C10.o2.tm	Method	TBLASTX:Maize
Start	3218	End	4575
GI	none	Score	82
Exons	3218..3292, 3411..3461, 3421..3489, 3422..3481, 3716..3943, 3742..3924, 3764..3940, 3765..3983, 4507..4575		

Seq. No.	40778	Seq. ID	OJ990921_14.0308.C11
Gene No.	84488	Strand	+
Start	2326	End	3096
Name	OJ990921_14.0308.C11.o1.gp	Method	AAT/GAP
Start	2326	End	3096
GI	10054_1.R1084	Score	880
Exons	2326..2623, 2876..3096		
GI Descrip.	'2493318/sp|Q41001|BCP_PEA 6.0e-25 BLUE COPPER PROTEIN PRECURSOR >gi_562779_emb_CAA80963_ (Z25471) blue copper protein [Pisum sativum] >gi_1098264_prf__2115352A blue Cu protein [Pisum sativum]'		

Seq. No.	40778	Seq. ID	OJ990921_14.0308.C11
Gene No.	84488	Strand	+
Start	2326	End	3096
Name	OJ990921_14.0308.C11.o1.tm	Method	TBLASTX:Maize
Start	2875	End	3072
GI	none	Score	189
Exons	2875..3072, 3000..3056		

Seq. No.	40778	Seq. ID	OJ990921_14.0308.C11
Gene No.	84488	Strand	+
Start	2326	End	3096
Name	OJ990921_14.0308.C11.o1.ts	Method	TBLASTX:Soybean
Start	2875	End	3078
GI	none	Score	187
Exons	2875..3078		

Seq. No.	40779	Seq. ID	OJ990921_14.0308.C19
Gene No.	84489	Strand	-
Start	1549	End	1756
Name	OJ990921_14.0308.C19.o1.gp	Method	AAT/GAP
Start	1549	End	1756

GI	3759709	Score	342
Exons	1549..1756		

Seq. No.	40780	Seq. ID	OJ990921_14.0308.C20
Gene No.	84490	Strand	-
Start	1	End	448
Name	OJ990921_14.0308.C20.o1.gp	Method	AAT/GAP
Start	1	End	448
GI	none	Score	851
Exons	1..448		

Seq. No.	40781	Seq. ID	OJ990921_14.0308.C21
Gene No.	84491	Strand	-
Start	3162	End	3218
Name	OJ990921_14.0308.C21.o1.gp	Method	AAT/GAP
Start	3162	End	3218
GI	LIB3477-003-P1-K1-E9	Score	81
Exons	3162..3218		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40782	Seq. ID	OJ990921_14.0308.C25
Gene No.	84492	Strand	
Start	134	End	489
Name	OJ990921_14.0308.C25.o1.tm	Method	TBLASTX:Maize
Start	134	End	489
GI	none	Score	39
Exons	134..166, 141..164, 246..296, 247..288, 255..296, 372..476, 372..482, 373..489		

Seq. No.	40782	Seq. ID	OJ990921_14.0308.C25
Gene No.	84493	Strand	
Start	411	End	649
Name	OJ990921_14.0308.C25.o1.ts	Method	TBLASTX:Soybean
Start	411	End	649
GI	none	Score	68
Exons	411..473, 412..474, 574..648, 575..649		

Seq. No.	40783	Seq. ID	OJ990921_14.0308.C26
Gene No.	84494	Strand	-
Start	1	End	723
Name	OJ990921_14.0308.C26.o1.gp	Method	AAT/GAP
Start	1	End	723
GI	568337	Score	503
Exons	1..53, 142..208, 421..541, 656..723		
GI Descrip.	4106673/emb|CAA22613| 7.0e-35 (AL035064) queuine trna-ribosyltransferase [Schizosaccharomyces pombe]		

Seq. No.	40783	Seq. ID	OJ990921_14.0308.C26
Gene No.	84494	Strand	-
Start	1	End	723
Name	OJ990921_14.0308.C26.o1.tm	Method	TBLASTX:Maize
Start	418	End	723
GI	none	Score	160
Exons	418..498, 422..547, 423..542, 646..723, 656..715		

Seq. No.	40784	Seq. ID	OJ990921_14.0308.C31
Gene No.	84495	Strand	
Start	942	End	1253
Name	OJ990921_14.0308.C31.o1.ts	Method	TBLASTX:Soybean
Start	942	End	1244
GI	none	Score	106
Exons	942..1046, 1032..1244		

Seq. No.	40784	Seq. ID	OJ990921_14.0308.C31
Gene No.	84495	Strand	
Start	942	End	1253
Name	OJ990921_14.0308.C31.o1.tm	Method	TBLASTX:Maize
Start	951	End	1253
GI	none	Score	227
Exons	951..1253		

Seq. No.	40784	Seq. ID	OJ990921_14.0308.C31
Gene No.	84495	Strand	
Start	942	End	1253
Name	OJ990921_14.0308.C31.o1.tc	Method	TBLASTX:Cress
Start	954	End	1193
GI	none	Score	221
Exons	954..1193		

Seq. No.	40785	Seq. ID	OJ990921_14.0308.C36
Gene No.	84496	Strand	-
Start	1	End	411
Name	OJ990921_14.0308.C36.o1.gp	Method	AAT/GAP
Start	1	End	411
GI	52928_1.R1084	Score	593
Exons	1..133, 221..411		
GI Descrip.	'4512685/gb|AAD21739.1| 1.0e-08 (AC006931) hypothetical protein [Arabidopsis thaliana] >gi_4559325_gb_AAD22987.1_AC007087_6 (AC007087) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40786	Seq. ID	OJ990921_14.0308.C38
Gene No.	84497	Strand	
Start	1480	End	1636
Name	OJ990921_14.0308.C38.o1.tm	Method	TBLASTX:Maize
Start	1480	End	1636
GI	none	Score	79
Exons	1480..1542, 1483..1542, 1487..1636, 1600..1635		

Seq. No.	40787	Seq. ID	OJ990921_14.0308.C44
Gene No.	84498	Strand	-
Start	1195	End	1840
Name	OJ990921_14.0308.C44.o1.tm	Method	TBLASTX:Maize
Start	463	End	1840
GI	none	Score	163
Exons	463..579, 465..578, 984..1100, 989..1102, 989..1102, 1206..1268, 1210..1272, 1211..1300, 1476..1616, 1516..1617, 1516..1614, 1523..1624, 1544..1624, 1698..1820, 1712..1840, 1715..1822		

Seq. No.	40787	Seq. ID	OJ990921_14.0308.C44
Gene No.	84498	Strand	-
Start	1195	End	1840
Name	OJ990921_14.0308.C44.o1.gp	Method	AAT/GAP

Start	1195	End	1828
GI	uC-osflcyp061d04b1	Score	479
Exons	1195..1272, 1516..1614, 1715..1828		
GI Descrip.	'2623248 2.0e-37 (AF030882) SU1 isoamylase [Zea mays]'		

Seq. No.	40788	Seq. ID	OJ990921_14.0308.C45
Gene No.	84499	Strand	-
Start	832	End	947
Name	OJ990921_14.0308.C45.o1.gp	Method	AAT/GAP
Start	832	End	947
GI	uC-osflcyp061d04b1	Score	134
Exons	832..947		
GI Descrip.	'2623248 2.0e-37 (AF030882) SU1 isoamylase [Zea mays]'		

Seq. No.	40789	Seq. ID	OJ990301_06.0310.C3
Gene No.	84500	Strand	
Start	417	End	857
Name	OJ990301_06.0310.C3.o2.tw	Method	TBLASTX:Wheat
Start	417	End	800
GI	none	Score	72
Exons	417..587, 433..561, 569..799, 578..700, 579..800		

Seq. No.	40789	Seq. ID	OJ990301_06.0310.C3
Gene No.	84500	Strand	
Start	417	End	857
Name	OJ990301_06.0310.C3.o2.tm	Method	TBLASTX:Maize
Start	474	End	857
GI	none	Score	174
Exons	474..584, 578..856, 579..857		

Seq. No.	40789	Seq. ID	OJ990301_06.0310.C3
Gene No.	84500	Strand	
Start	417	End	857
Name	OJ990301_06.0310.C3.o1.ts	Method	TBLASTX:Soybean
Start	587	End	820
GI	none	Score	84
Exons	587..820, 597..803		

Seq. No.	40789	Seq. ID	OJ990301_06.0310.C3
Gene No.	84501	Strand	
Start	884	End	1371
Name	OJ990301_06.0310.C3.o1.tm	Method	TBLASTX:Maize
Start	884	End	1240
GI	none	Score	199
Exons	884..1240, 885..1205		

Seq. No.	40789	Seq. ID	OJ990301_06.0310.C3
Gene No.	84501	Strand	
Start	884	End	1371
Name	OJ990301_06.0310.C3.o1.tw	Method	TBLASTX:Wheat
Start	908	End	1371
GI	none	Score	211
Exons	908..1369, 908..1369, 909..1370, 910..1371		

Seq. No.	40789	Seq. ID	OJ990301_06.0310.C3
Gene No.	84501	Strand	
Start	884	End	1371

Name	OJ990301_06.0310.C3.o2.ts	Method	TBLASTX:Soybean
Start	965	End	1318
GI	none	Score	106
Exons	965..1096, 1106..1318		

Seq. No.	40790	Seq. ID	OJ990301_06.0310.C5
Gene No.	84502	Strand	-
Start	1300	End	1404
Name	OJ990301_06.0310.C5.o1.gp	Method	AAT/GAP
Start	1300	End	1404
GI	uC-osf1cyp088b12b1	Score	140
Exons	1300..1404		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	40791	Seq. ID	OJ990301_06.0310.C6
Gene No.	84503	Strand	
Start	155	End	859
Name	OJ990301_06.0310.C6.o1.tc	Method	TBLASTX:Cress
Start	155	End	859
GI	none	Score	318
Exons	155..415, 156..431, 159..425, 575..706, 583..666, 702..776, 758..859, 784..858		

Seq. No.	40791	Seq. ID	OJ990301_06.0310.C6
Gene No.	84503	Strand	
Start	155	End	859
Name	OJ990301_06.0310.C6.o1.tw	Method	TBLASTX:Wheat
Start	155	End	802
GI	none	Score	344
Exons	155..418, 156..431, 156..425, 578..709, 583..666, 702..776, 703..759, 758..802		

Seq. No.	40791	Seq. ID	OJ990301_06.0310.C6
Gene No.	84503	Strand	
Start	155	End	859
Name	OJ990301_06.0310.C6.o1.tm	Method	TBLASTX:Maize
Start	155	End	859
GI	none	Score	344
Exons	155..427, 156..431, 159..431, 574..666, 575..718, 578..709, 591..770, 702..776, 703..759, 758..859, 784..858		

Seq. No.	40791	Seq. ID	OJ990301_06.0310.C6
Gene No.	84503	Strand	
Start	155	End	859
Name	OJ990301_06.0310.C6.o1.ts	Method	TBLASTX:Soybean
Start	155	End	859
GI	none	Score	327
Exons	155..424, 156..431, 159..425, 574..666, 575..709, 702..776, 758..859, 784..858		

Seq. No.	40792	Seq. ID	OJ990301_06.0310.C7
Gene No.	84504	Strand	
Start	168	End	491
Name	OJ990301_06.0310.C7.o3.tw	Method	TBLASTX:Wheat
Start	168	End	491
GI	none	Score	205

Exons	168..491, 170..355		
Seq. No.	40792	Seq. ID	OJ990301_06.0310.C7
Gene No.	84505	Strand	
Start	684	End	1202
Name	OJ990301_06.0310.C7.o1.tm	Method	TBLASTX:Maize
Start	684	End	1046
GI	none	Score	371
Exons	684..1007, 713..994, 804..1016, 999..1046		
Seq. No.	40792	Seq. ID	OJ990301_06.0310.C7
Gene No.	84505	Strand	
Start	684	End	1202
Name	OJ990301_06.0310.C7.o1.tw	Method	TBLASTX:Wheat
Start	821	End	1202
GI	none	Score	376
Exons	821..1168, 822..1202, 825..1175		
Seq. No.	40792	Seq. ID	OJ990301_06.0310.C7
Gene No.	84506	Strand	
Start	1203	End	1805
Name	OJ990301_06.0310.C7.o2.tw	Method	TBLASTX:Wheat
Start	1203	End	1805
GI	none	Score	265
Exons	1203..1487, 1208..1486, 1343..1513, 1679..1801, 1680..1805		
Seq. No.	40793	Seq. ID	OJ990301_06.0310.C9
Gene No.	84507	Strand	
Start	967	End	2048
Name	OJ990301_06.0310.C9.o1.tm	Method	TBLASTX:Maize
Start	967	End	1860
GI	none	Score	138
Exons	967..1089, 1110..1154, 1231..1284, 1396..1494, 1601..1675, 1602..1682, 1806..1859, 1807..1860		
Seq. No.	40793	Seq. ID	OJ990301_06.0310.C9
Gene No.	84507	Strand	
Start	967	End	2048
Name	OJ990301_06.0310.C9.o1.ts	Method	TBLASTX:Soybean
Start	967	End	2048
GI	none	Score	138
Exons	967..1089, 1110..1154, 1231..1284, 1396..1494, 1601..1675, 1602..1682, 1806..1874, 1807..1884, 2004..2048		
Seq. No.	40793	Seq. ID	OJ990301_06.0310.C9
Gene No.	84507	Strand	
Start	967	End	2048
Name	OJ990301_06.0310.C9.o1.tc	Method	TBLASTX:Cress
Start	1230	End	2006
GI	none	Score	69
Exons	1230..1280, 1231..1287, 1395..1487, 1396..1494, 1601..1675, 1602..1673, 1806..1880, 1807..1923, 1965..2006		
Seq. No.	40794	Seq. ID	OJ990301_06.0310.C10
Gene No.	84508	Strand	
Start	124	End	579
Name	OJ990301_06.0310.C10.o1.tw	Method	TBLASTX:Wheat

Start	124	End	579
GI	none	Score	145
Exons	124..360, 134..358, 397..579, 398..541		

Seq. No.	40795	Seq. ID	OJ990301_06.0310.C11
Gene No.	84509	Strand	
Start	906	End	1298
Name	OJ990301_06.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	906	End	1298
GI	none	Score	92
Exons	906..1163, 940..1179, 1146..1244, 1147..1239, 1251..1298		

Seq. No.	40795	Seq. ID	OJ990301_06.0310.C11
Gene No.	84509	Strand	
Start	906	End	1298
Name	OJ990301_06.0310.C11.o1.tm	Method	TBLASTX:Maize
Start	1002	End	1293
GI	none	Score	110
Exons	1002..1256, 1003..1293		

Seq. No.	40796	Seq. ID	OJ990301_06.0310.C12
Gene No.	84510	Strand	
Start	364	End	1630
Name	OJ990301_06.0310.C12.o1.ts	Method	TBLASTX:Soybean
Start	364	End	1630
GI	none	Score	91
Exons	364..441, 371..442, 375..443, 1032..1112, 1165..1341, 1172..1348, 1233..1349, 1411..1488, 1412..1489, 1416..1484, 1570..1629, 1571..1630		

Seq. No.	40796	Seq. ID	OJ990301_06.0310.C12
Gene No.	84510	Strand	
Start	364	End	1630
Name	OJ990301_06.0310.C12.o1.tm	Method	TBLASTX:Maize
Start	1190	End	1630
GI	none	Score	95
Exons	1190..1342, 1195..1341, 1416..1487, 1416..1484, 1420..1488, 1570..1629, 1571..1630		

Seq. No.	40797	Seq. ID	OJ990301_06.0310.C13
Gene No.	84511	Strand	
Start	532	End	787
Name	OJ990301_06.0310.C13.o1.ts	Method	TBLASTX:Soybean
Start	532	End	787
GI	none	Score	218
Exons	532..786, 533..787		

Seq. No.	40798	Seq. ID	OJ990301_06.0310.C14
Gene No.	84512	Strand	
Start	2016	End	2417
Name	OJ990301_06.0310.C14.o1.tm	Method	TBLASTX:Maize
Start	2016	End	2255
GI	none	Score	181
Exons	2016..2255		

Seq. No.	40798	Seq. ID	OJ990301_06.0310.C14
Gene No.	84512	Strand	

Start	2016	End	2417
Name	OJ990301_06.0310.C14.o1.tw	Method	TBLASTX:Wheat
Start	2019	End	2417
GI	none	Score	245
Exons	2019..2417		

Seq. No.	40799	Seq. ID	OJ990301_06.0310.C15
Gene No.	84513	Strand	
Start	260	End	447
Name	OJ990301_06.0310.C15.o1.tm	Method	TBLASTX:Maize
Start	260	End	447
GI	none	Score	104
Exons	260..433, 265..435, 271..447		

Seq. No.	40799	Seq. ID	OJ990301_06.0310.C15
Gene No.	84513	Strand	
Start	260	End	447
Name	OJ990301_06.0310.C15.o1.tc	Method	TBLASTX:Cress
Start	265	End	435
GI	none	Score	238
Exons	265..435, 312..425		

Seq. No.	40799	Seq. ID	OJ990301_06.0310.C15
Gene No.	84513	Strand	
Start	260	End	447
Name	OJ990301_06.0310.C15.o1.tw	Method	TBLASTX:Wheat
Start	265	End	447
GI	none	Score	268
Exons	265..432, 274..447		

Seq. No.	40799	Seq. ID	OJ990301_06.0310.C15
Gene No.	84513	Strand	
Start	260	End	447
Name	OJ990301_06.0310.C15.o1.ts	Method	TBLASTX:Soybean
Start	268	End	426
GI	none	Score	225
Exons	268..426, 280..417, 312..425		

Seq. No.	40800	Seq. ID	OJ990301_06.0310.C17
Gene No.	84514	Strand	
Start	51	End	560
Name	OJ990301_06.0310.C17.o1.tw	Method	TBLASTX:Wheat
Start	51	End	560
GI	none	Score	63
Exons	51..83, 108..560, 304..411		

Seq. No.	40801	Seq. ID	OJ990301_06.0310.C18
Gene No.	84515	Strand	
Start	1330	End	1737
Name	OJ990301_06.0310.C18.o2.tw	Method	TBLASTX:Wheat
Start	1330	End	1737
GI	none	Score	55
Exons	1330..1503, 1331..1453, 1510..1737, 1517..1684		

Seq. No.	40801	Seq. ID	OJ990301_06.0310.C18
Gene No.	84516	Strand	
Start	1826	End	2326

Name	OJ990301_06.0310.C18.o1.ts	Method	TBLASTX:Soybean
Start	1826	End	2219
GI	none	Score	90
Exons	1826..2218, 2076..2219		
Seq. No.	40801	Seq. ID	OJ990301_06.0310.C18
Gene No.	84516	Strand	
Start	1826	End	2326
Name	OJ990301_06.0310.C18.o1.tw	Method	TBLASTX:Wheat
Start	1881	End	2305
GI	none	Score	267
Exons	1881..2258, 1883..2305, 1913..2302		
Seq. No.	40801	Seq. ID	OJ990301_06.0310.C18
Gene No.	84516	Strand	
Start	1826	End	2326
Name	OJ990301_06.0310.C18.o1.tm	Method	TBLASTX:Maize
Start	1979	End	2326
GI	none	Score	140
Exons	1979..2326, 1980..2258		
Seq. No.	40802	Seq. ID	OJ990301_06.0310.C24
Gene No.	84517	Strand	
Start	562	End	869
Name	OJ990301_06.0310.C24.o1.tw	Method	TBLASTX:Wheat
Start	562	End	869
GI	none	Score	81
Exons	562..753, 564..737, 720..818, 721..801, 825..869		
Seq. No.	40802	Seq. ID	OJ990301_06.0310.C24
Gene No.	84517	Strand	
Start	562	End	869
Name	OJ990301_06.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	582	End	866
GI	none	Score	58
Exons	582..830, 594..866		
Seq. No.	40803	Seq. ID	OJ990301_06.0310.C25
Gene No.	84518	Strand	+
Start	58	End	1046
Name	OJ990301_06.0310.C25.o1.gp	Method	AAT/GAP
Start	58	End	1046
GI	81_1.R1084	Score	684
Exons	58..293, 380..504, 948..1046		
GI Descrip.	'4760553/dbj|BAA77337.1| 0.0e+00 (AB019533) Nad-dependent formate dehydrogenase [Oryza sativa]'		
Seq. No.	40803	Seq. ID	OJ990301_06.0310.C25
Gene No.	84518	Strand	+
Start	58	End	1046
Name	OJ990301_06.0310.C25.o1.tc	Method	TBLASTX:Cress
Start	58	End	511
GI	none	Score	356
Exons	58..294, 60..293, 103..315, 377..511, 378..506		
Seq. No.	40803	Seq. ID	OJ990301_06.0310.C25
Gene No.	84518	Strand	+

Start	58	End	1046
Name	OJ990301_06.0310.C25.o1.tm	Method	TBLASTX:Maize
Start	58	End	506
GI	none	Score	400
Exons	58..294, 59..292, 377..505, 378..506		

Seq. No.	40803	Seq. ID	OJ990301_06.0310.C25
Gene No.	84518	Strand	+
Start	58	End	1046
Name	OJ990301_06.0310.C25.o1.ts	Method	TBLASTX:Soybean
Start	58	End	507
GI	none	Score	386
Exons	58..300, 60..293, 97..300, 377..505, 378..506, 385..507		

Seq. No.	40803	Seq. ID	OJ990301_06.0310.C25
Gene No.	84518	Strand	+
Start	58	End	1046
Name	OJ990301_06.0310.C25.o1.tw	Method	TBLASTX:Wheat
Start	58	End	241
GI	none	Score	301
Exons	58..240, 59..241, 59..241		

Seq. No.	40804	Seq. ID	OJ990301_06.0310.C34
Gene No.	84519	Strand	
Start	789	End	932
Name	OJ990301_06.0310.C34.o1.tm	Method	TBLASTX:Maize
Start	789	End	932
GI	none	Score	126
Exons	789..932, 793..927		

Seq. No.	40805	Seq. ID	OJ990301_06.0310.C35
Gene No.	84520	Strand	
Start	698	End	1205
Name	OJ990301_06.0310.C35.o1.ts	Method	TBLASTX:Soybean
Start	698	End	1069
GI	none	Score	90
Exons	698..1069, 909..1052		

Seq. No.	40805	Seq. ID	OJ990301_06.0310.C35
Gene No.	84520	Strand	
Start	698	End	1205
Name	OJ990301_06.0310.C35.o2.tw	Method	TBLASTX:Wheat
Start	728	End	1148
GI	none	Score	294
Exons	728..1147, 753..1148		

Seq. No.	40805	Seq. ID	OJ990301_06.0310.C35
Gene No.	84520	Strand	
Start	698	End	1205
Name	OJ990301_06.0310.C35.o2.tm	Method	TBLASTX:Maize
Start	821	End	1205
GI	none	Score	236
Exons	821..1204, 840..1205		

Seq. No.	40805	Seq. ID	OJ990301_06.0310.C35
Gene No.	84521	Strand	
Start	1232	End	1719

Name	OJ990301_06.0310.C35.o1.tm	Method	TBLASTX:Maize
Start	1232	End	1547
GI	none	Score	73
Exons	1232..1348, 1232..1546, 1242..1547		

Seq. No.	40805	Seq. ID	OJ990301_06.0310.C35
Gene No.	84521	Strand	
Start	1232	End	1719
Name	OJ990301_06.0310.C35.o1.tw	Method	TBLASTX:Wheat
Start	1256	End	1719
GI	none	Score	203
Exons	1256..1717, 1262..1717, 1263..1718, 1276..1719		

Seq. No.	40805	Seq. ID	OJ990301_06.0310.C35
Gene No.	84521	Strand	
Start	1232	End	1719
Name	OJ990301_06.0310.C35.o2.ts	Method	TBLASTX:Soybean
Start	1313	End	1678
GI	none	Score	112
Exons	1313..1447, 1454..1678		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84522	Strand	
Start	3224	End	4204
Name	OJ990311_03.0308.C2.o2.tw	Method	TBLASTX:Wheat
Start	3224	End	3817
GI	none	Score	229
Exons	3224..3514, 3226..3516, 3572..3688, 3575..3673, 3692..3817, 3709..3816		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84522	Strand	
Start	3224	End	4204
Name	OJ990311_03.0308.C2.o1.ts	Method	TBLASTX:Soybean
Start	3242	End	3514
GI	none	Score	292
Exons	3242..3514, 3259..3507		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84522	Strand	
Start	3224	End	4204
Name	OJ990311_03.0308.C2.o2.ts	Method	TBLASTX:Soybean
Start	3557	End	3832
GI	none	Score	221
Exons	3557..3832, 3592..3831		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84522	Strand	
Start	3224	End	4204
Name	OJ990311_03.0308.C2.o2.tc	Method	TBLASTX:Cress
Start	3581	End	3913
GI	none	Score	288
Exons	3581..3913, 3667..3717, 3751..3858		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84522	Strand	
Start	3224	End	4204

Name	OJ990311_03.0308.C2.o2.tm	Method	TBLASTX:Maize
Start	3719	End	4204
GI	none	Score	102
Exons	3719..3823, 3727..3822, 3826..3918, 3830..3919, 3987..4022, 4016..4063, 4064..4111, 4111..4200, 4115..4204		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84522	Strand	
Start	3224	End	4204
Name	OJ990311_03.0308.C2.o3.tw	Method	TBLASTX:Wheat
Start	3818	End	4153
GI	none	Score	57
Exons	3818..3859, 3863..3961, 3865..3960, 4007..4105, 4018..4089, 4115..4153		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84523	Strand	
Start	4709	End	5563
Name	OJ990311_03.0308.C2.o1.tm	Method	TBLASTX:Maize
Start	4709	End	5092
GI	none	Score	59
Exons	4709..4777, 4777..5091, 4778..5092		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84523	Strand	
Start	4709	End	5563
Name	OJ990311_03.0308.C2.o1.tw	Method	TBLASTX:Wheat
Start	4733	End	5563
GI	none	Score	551
Exons	4733..5449, 4786..5361, 5468..5563		

Seq. No.	40806	Seq. ID	OJ990311_03.0308.C2
Gene No.	84523	Strand	
Start	4709	End	5563
Name	OJ990311_03.0308.C2.o1.tc	Method	TBLASTX:Cress
Start	5024	End	5449
GI	none	Score	317
Exons	5024..5449, 5032..5361		

Seq. No.	40807	Seq. ID	OJ990311_03.0308.C3
Gene No.	84524	Strand	
Start	117	End	329
Name	OJ990311_03.0308.C3.o1.ts	Method	TBLASTX:Soybean
Start	117	End	329
GI	none	Score	187
Exons	117..329, 117..275		

Seq. No.	40808	Seq. ID	OJ990311_03.0308.C10
Gene No.	84525	Strand	
Start	790	End	1248
Name	OJ990311_03.0308.C10.o1.tm	Method	TBLASTX:Maize
Start	790	End	1248
GI	none	Score	400
Exons	790..1224, 867..1223, 1152..1241, 1153..1248		

Seq. No.	40808	Seq. ID	OJ990311_03.0308.C10
Gene No.	84525	Strand	

Start	790	End	1248
Name	OJ990311_03.0308.C10.o1.ts	Method	TBLASTX:Soybean
Start	808	End	1248
GI	none	Score	64
Exons	808..849, 816..881, 864..1127, 874..1167, 1177..1248, 1182..1229		

Seq. No.	40808	Seq. ID	OJ990311_03.0308.C10
Gene No.	84525	Strand	
Start	790	End	1248
Name	OJ990311_03.0308.C10.o1.tc	Method	TBLASTX:Cress
Start	873	End	1119
GI	none	Score	282
Exons	873..1118, 874..1119		

Seq. No.	40808	Seq. ID	OJ990311_03.0308.C10
Gene No.	84525	Strand	
Start	790	End	1248
Name	OJ990311_03.0308.C10.o1.tw	Method	TBLASTX:Wheat
Start	922	End	1248
GI	none	Score	307
Exons	922..1170, 930..1184, 1183..1248, 1197..1241		

Seq. No.	40809	Seq. ID	OJ990311_03.0308.C11
Gene No.	84526	Strand	
Start	115	End	343
Name	OJ990311_03.0308.C11.o1.tw	Method	TBLASTX:Wheat
Start	115	End	343
GI	none	Score	78
Exons	115..342, 119..343		

Seq. No.	40810	Seq. ID	OJ990311_03.0308.C16
Gene No.	84527	Strand	
Start	483	End	871
Name	OJ990311_03.0308.C16.o2.tm	Method	TBLASTX:Maize
Start	483	End	871
GI	none	Score	77
Exons	483..602, 486..569, 491..601, 598..651, 598..627, 685..861, 691..828, 692..871, 704..841		

Seq. No.	40810	Seq. ID	OJ990311_03.0308.C16
Gene No.	84528	Strand	
Start	1561	End	3210
Name	OJ990311_03.0308.C16.o1.tm	Method	TBLASTX:Maize
Start	1561	End	3183
GI	none	Score	95
Exons	1561..1593, 1575..1655, 1576..1653, 1601..1657, 1602..1658, 2456..2509, 2457..2675, 2463..2666, 2573..2674, 3067..3183, 3090..3182		

Seq. No.	40810	Seq. ID	OJ990311_03.0308.C16
Gene No.	84528	Strand	
Start	1561	End	3210
Name	OJ990311_03.0308.C16.o1.tc	Method	TBLASTX:Cress
Start	2445	End	3210
GI	none	Score	195
Exons	2445..2675, 3067..3210, 3090..3206		

Seq. No.	40811	Seq. ID	OJ990311_03.0308.C26
Gene No.	84529	Strand	+
Start	994	End	2201
Name	OJ990311_03.0308.C26.o1.gp	Method	AAT/GAP
Start	994	End	2201
GI	342_1.R1084	Score	1900
Exons	994..2201		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40811	Seq. ID	OJ990311_03.0308.C26
Gene No.	84529	Strand	+
Start	994	End	2201
Name	OJ990311_03.0308.C26.o2.tw	Method	TBLASTX:Wheat
Start	1296	End	1686
GI	none	Score	102
Exons	1296..1448, 1315..1434, 1431..1682, 1439..1681, 1442..1684, 1450..1686		

Seq. No.	40811	Seq. ID	OJ990311_03.0308.C26
Gene No.	84529	Strand	+
Start	994	End	2201
Name	OJ990311_03.0308.C26.o1.ts	Method	TBLASTX:Soybean
Start	1614	End	2042
GI	none	Score	90
Exons	1614..1682, 1614..1667, 1746..2042, 1778..2029		

Seq. No.	40811	Seq. ID	OJ990311_03.0308.C26
Gene No.	84529	Strand	+
Start	994	End	2201
Name	OJ990311_03.0308.C26.o1.tc	Method	TBLASTX:Cress
Start	1781	End	2123
GI	none	Score	298
Exons	1781..1927, 1782..2123, 1976..2104		

Seq. No.	40811	Seq. ID	OJ990311_03.0308.C26
Gene No.	84529	Strand	+
Start	994	End	2201
Name	OJ990311_03.0308.C26.o1.tm	Method	TBLASTX:Maize
Start	1782	End	2170
GI	none	Score	67
Exons	1782..1871, 1887..2168, 1910..2170		

Seq. No.	40811	Seq. ID	OJ990311_03.0308.C26
Gene No.	84529	Strand	+
Start	994	End	2201
Name	OJ990311_03.0308.C26.o1.tw	Method	TBLASTX:Wheat
Start	1910	End	2191
GI	none	Score	389
Exons	1910..2191, 1911..2183, 1912..2184		

Seq. No.	40812	Seq. ID	OJ990311_03.0308.C27
Gene No.	84530	Strand	
Start	1	End	884
Name	OJ990311_03.0308.C27.o1.tw	Method	TBLASTX:Wheat
Start	1	End	884
GI	none	Score	369

Exons	1..468, 2..484, 459..524, 479..523, 526..621, 530..589, 568..708, 596..691, 599..712, 637..711, 722..787, 723..803, 792..884, 818..883		
Seq. No.	40812	Seq. ID	OJ990311_03.0308.C27
Gene No.	84530	Strand	
Start	1	End	884
Name	OJ990311_03.0308.C27.o1.tc	Method	TBLASTX:Cress
Start	2	End	301
GI	none	Score	212
Exons	2..301, 7..297, 149..301		
Seq. No.	40813	Seq. ID	OJ990311_03.0308.C29
Gene No.	84531	Strand	+
Start	838	End	1057
Name	OJ990311_03.0308.C29.o2.gp	Method	AAT/GAP
Start	838	End	1057
GI	uC-osflcyp033a04b1	Score	370
Exons	838..1057		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	40814	Seq. ID	OJ990311_03.0308.C33
Gene No.	84532	Strand	-
Start	3161	End	3792
Name	OJ990311_03.0308.C33.o2.tw	Method	TBLASTX:Wheat
Start	1960	End	2127
GI	none	Score	177
Exons	1960..2109, 1963..2127		
Seq. No.	40814	Seq. ID	OJ990311_03.0308.C33
Gene No.	84532	Strand	-
Start	3161	End	3792
Name	OJ990311_03.0308.C33.o1.tw	Method	TBLASTX:Wheat
Start	2214	End	2591
GI	none	Score	82
Exons	2214..2309, 2215..2310, 2296..2400, 2299..2406, 2427..2591, 2428..2568		
Seq. No.	40814	Seq. ID	OJ990311_03.0308.C33
Gene No.	84532	Strand	-
Start	3161	End	3792
Name	OJ990311_03.0308.C33.o1.gp	Method	AAT/GAP
Start	3161	End	3792
GI	2798991	Score	860
Exons	3161..3607, 3726..3792		
GI Descrip.	3402815/emb|AJ007829|CVE7829 1.0e-20 Cloning Vector pGreen		
Seq. No.	40814	Seq. ID	OJ990311_03.0308.C33
Gene No.	84532	Strand	-
Start	3161	End	3792
Name	OJ990311_03.0308.C33.o1.tm	Method	TBLASTX:Maize
Start	3390	End	3770
GI	none	Score	55
Exons	3390..3467, 3393..3431, 3397..3432, 3413..3598, 3456..3626, 3464..3631, 3469..3630, 3728..3769, 3728..3769, 3729..3770		

Seq. No.	40814	Seq. ID	OJ990311_03.0308.C33
Gene No.	84532	Strand	-
Start	3161	End	3792
Name	OJ990311_03.0308.C33.o1.ts	Method	TBLASTX:Soybean
Start	3464	End	3784
GI	none	Score	114
Exons	3464..3613, 3469..3609, 3731..3784, 3741..3770		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84533	Strand	-
Start	475	End	865
Name	OJ990311_03.0308.C34.o1.gp	Method	AAT/GAP
Start	475	End	865
GI	2427656	Score	467
Exons	475..541, 649..865		
GI Descrip.	3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o3.ts	Method	TBLASTX:Soybean
Start	251	End	437
GI	none	Score	71
Exons	251..403, 268..399, 276..437		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o2.tm	Method	TBLASTX:Maize
Start	290	End	834
GI	none	Score	142
Exons	290..430, 296..544, 297..542, 298..543, 596..823, 634..834, 649..825		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o2.ts	Method	TBLASTX:Soybean
Start	464	End	789
GI	none	Score	98
Exons	464..544, 465..542, 623..772, 649..789, 649..789		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o1.tc	Method	TBLASTX:Cress
Start	970	End	1405
GI	none	Score	160
Exons	970..1173, 971..1162, 976..1173, 1225..1371, 1263..1403, 1269..1403, 1289..1405		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o1.ts	Method	TBLASTX:Soybean
Start	973	End	1469

GI	none	Score	167
Exons	973..1206, 983..1189, 1278..1469, 1278..1463, 1306..1467		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o1.tm	Method	TBLASTX:Maize
Start	994	End	1469
GI	none	Score	277
Exons	994..1194, 1001..1189, 1275..1469, 1278..1463		

Seq. No.	40815	Seq. ID	OJ990311_03.0308.C34
Gene No.	84534	Strand	-
Start	1027	End	1502
Name	OJ990311_03.0308.C34.o2.gp	Method	AAT/GAP
Start	1027	End	1502
GI	uC-osflcyp161e08b1	Score	616
Exons	1027..1191, 1278..1502		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	40816	Seq. ID	OJ990311_03.0308.C35
Gene No.	84535	Strand	
Start	1007	End	1448
Name	OJ990311_03.0308.C35.o1.tm	Method	TBLASTX:Maize
Start	1007	End	1448
GI	none	Score	120
Exons	1007..1126, 1036..1113, 1140..1217, 1141..1221, 1147..1218, 1320..1400, 1324..1425, 1326..1448		

Seq. No.	40817	Seq. ID	OJ990311_03.0308.C39
Gene No.	84536	Strand	+
Start	622	End	3981
Name	OJ990311_03.0308.C39.o1.gp	Method	AAT/GAP
Start	622	End	3981
GI	700823	Score	639
Exons	622..741, 3587..3763, 3898..3981		

Seq. No.	40817	Seq. ID	OJ990311_03.0308.C39
Gene No.	84537	Strand	
Start	3919	End	4880
Name	OJ990311_03.0308.C39.o1.tm	Method	TBLASTX:Maize
Start	3919	End	4880
GI	none	Score	148
Exons	3919..4023, 3920..4015, 3930..4022, 3934..4023, 4601..4714, 4602..4706, 4602..4721, 4829..4879, 4830..4880		

Seq. No.	40818	Seq. ID	OJ990311_03.0308.C41
Gene No.	84538	Strand	+
Start	404	End	681
Name	OJ990311_03.0308.C41.o1.gp	Method	AAT/GAP
Start	404	End	681
GI	5851098	Score	479
Exons	404..681		

Seq. No.	40819	Seq. ID	OJ990311_03.0308.C53
Gene No.	84539	Strand	+

Start	236	End	641
Name	OJ990311_03.0308.C53.o1.gp	Method	AAT/GAP
Start	236	End	641
GI	none	Score	792
Exons	236..641		

Seq. No.	40820	Seq. ID	OJ990311_03.0308.C55
Gene No.	84540	Strand	+
Start	396	End	625
Name	OJ990311_03.0308.C55.o1.gp	Method	AAT/GAP
Start	396	End	625
GI	LIB3431-009-P1-N1-D10	Score	433
Exons	396..625		
GI Descrip.	'310316/gb|L19598|RICRTUB1X 7.0e-11 Rice beta-tubulin (RTUB-1) mRNA, complete cds'		

Seq. No.	40820	Seq. ID	OJ990311_03.0308.C55
Gene No.	84541	Strand	-
Start	3004	End	3555
Name	OJ990311_03.0308.C55.o2.gp	Method	AAT/GAP
Start	3004	End	3555
GI	5421_1.R1084	Score	773
Exons	3004..3367, 3488..3555		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	40820	Seq. ID	OJ990311_03.0308.C55
Gene No.	84541	Strand	-
Start	3004	End	3555
Name	OJ990311_03.0308.C55.o1.tm	Method	TBLASTX:Maize
Start	3164	End	3553
GI	none	Score	195
Exons	3164..3367, 3216..3368, 3461..3553, 3468..3551		

Seq. No.	40821	Seq. ID	OJ990311_03.0308.C56
Gene No.	84542	Strand	
Start	802	End	1127
Name	OJ990311_03.0308.C56.o1.tm	Method	TBLASTX:Maize
Start	802	End	1127
GI	none	Score	60
Exons	802..873, 804..869, 984..1127, 985..1044, 1025..1117		

Seq. No.	40822	Seq. ID	OJ990311_03.0308.C58
Gene No.	84543	Strand	
Start	485	End	742
Name	OJ990311_03.0308.C58.o1.tc	Method	TBLASTX:Cress
Start	485	End	742
GI	none	Score	189
Exons	485..742		

Seq. No.	40823	Seq. ID	OJ990311_03.0308.C59
Gene No.	84544	Strand	
Start	403	End	1238
Name	OJ990311_03.0308.C59.o1.ts	Method	TBLASTX:Soybean
Start	403	End	801
GI	5509260	Score	203
Exons	403..705, 421..504, 730..801		

GI Descrip. -

Seq. No.	40823	Seq. ID	OJ990311_03.0308.C59
Gene No.	84544	Strand	
Start	403	End	1238
Name	OJ990311_03.0308.C59.o1.tw	Method	TBLASTX:Wheat
Start	460	End	1238
GI	none	Score	161
Exons	460..702, 480..551, 620..673, 730..804, 807..905, 1179..1238		

Seq. No.	40823	Seq. ID	OJ990311_03.0308.C59
Gene No.	84544	Strand	
Start	403	End	1238
Name	OJ990311_03.0308.C59.o1.tm	Method	TBLASTX:Maize
Start	469	End	917
GI	none	Score	137
Exons	469..693, 730..801, 831..917		

Seq. No.	40824	Seq. ID	OJ990311_03.0308.C63
Gene No.	84545	Strand	
Start	3279	End	5604
Name	OJ990311_03.0308.C63.o1.tw	Method	TBLASTX:Wheat
Start	3279	End	5604
GI	none	Score	54
Exons	3279..3347, 4921..5016, 4955..5017, 5044..5163, 5117..5161, 5260..5391, 5267..5362, 5377..5604, 5384..5545		

Seq. No.	40824	Seq. ID	OJ990311_03.0308.C63
Gene No.	84545	Strand	
Start	3279	End	5604
Name	OJ990311_03.0308.C63.o1.tc	Method	TBLASTX:Cress
Start	4954	End	5604
GI	none	Score	48
Exons	4954..5037, 5038..5163, 5117..5161, 5260..5358, 5267..5317, 5404..5604, 5405..5539		

Seq. No.	40824	Seq. ID	OJ990311_03.0308.C63
Gene No.	84545	Strand	
Start	3279	End	5604
Name	OJ990311_03.0308.C63.o1.tm	Method	TBLASTX:Maize
Start	4954	End	5604
GI	none	Score	46
Exons	4954..5022, 4955..5017, 5044..5163, 5117..5161, 5260..5358, 5267..5362, 5377..5475, 5384..5497, 5471..5587, 5476..5604		

Seq. No.	40824	Seq. ID	OJ990311_03.0308.C63
Gene No.	84545	Strand	
Start	3279	End	5604
Name	OJ990311_03.0308.C63.o1.ts	Method	TBLASTX:Soybean
Start	5044	End	5604
GI	none	Score	79
Exons	5044..5163, 5260..5358, 5357..5494, 5371..5604		

Seq. No.	40825	Seq. ID	OJ990311_03.0308.C69
Gene No.	84546	Strand	+
Start	610	End	856
Name	OJ990311_03.0308.C69.o1.tc	Method	TBLASTX:Cress

Start	174	End	807
GI	none	Score	48
Exons	174..215, 258..668, 727..807		

Seq. No.	40825	Seq. ID	OJ990311_03.0308.C69
Gene No.	84546	Strand	+
Start	610	End	856
Name	OJ990311_03.0308.C69.o1.tm	Method	TBLASTX:Maize
Start	306	End	571
GI	none	Score	332
Exons	306..560, 319..570, 320..571		

Seq. No.	40825	Seq. ID	OJ990311_03.0308.C69
Gene No.	84546	Strand	+
Start	610	End	856
Name	OJ990311_03.0308.C69.o1.tw	Method	TBLASTX:Wheat
Start	358	End	818
GI	none	Score	205
Exons	358..669, 359..670, 360..671, 759..818	442..672, 664..816, 738..815,	

Seq. No.	40825	Seq. ID	OJ990311_03.0308.C69
Gene No.	84546	Strand	+
Start	610	End	856
Name	OJ990311_03.0308.C69.o1.gp	Method	AAT/GAP
Start	610	End	856
GI	LIB3477-010-P1-K1-F8	Score	402
Exons	610..856		
GI Descrip.	'1669599/dbj|BAA13687| 2.0e-13 (D88746) AR791 [Arabidopsis thaliana]'		

Seq. No.	40825	Seq. ID	OJ990311_03.0308.C69
Gene No.	84546	Strand	+
Start	610	End	856
Name	OJ990311_03.0308.C69.o2.tm	Method	TBLASTX:Maize
Start	679	End	855
GI	none	Score	190
Exons	679..855, 738..854		

Seq. No.	40826	Seq. ID	OJ990311_03.0308.C82
Gene No.	84547	Strand	
Start	150	End	861
Name	OJ990311_03.0308.C82.o1.tw	Method	TBLASTX:Wheat
Start	150	End	861
GI	none	Score	531
Exons	150..335, 155..634, 156..581, 694..861, 721..861	481..600, 629..688, 690..860,	

Seq. No.	40826	Seq. ID	OJ990311_03.0308.C82
Gene No.	84547	Strand	
Start	150	End	861
Name	OJ990311_03.0308.C82.o1.tm	Method	TBLASTX:Maize
Start	198	End	512
GI	none	Score	288
Exons	198..512, 215..511		

Seq. No.	40826	Seq. ID	OJ990311_03.0308.C82

Gene No.	84547	Strand	
Start	150	End	861
Name	OJ990311_03.0308.C82.o1.tc	Method	TBLASTX:Cress
Start	443	End	861
GI	none	Score	84
Exons	443..601, 443..634, 447..686, 690..860, 694..861, 763..861		

Seq. No.	40827	Seq. ID	OJ990311_03.0308.C85
Gene No.	84548	Strand	+
Start	63	End	545
Name	OJ990311_03.0308.C85.o1.gp	Method	AAT/GAP
Start	63	End	545
GI	43649_2.R1084	Score	703
Exons	63..178, 282..545		
GI Descrip.	'3688173/emb|CAA21201| 2.0e-13 (AL031804) putative protein [Arabidopsis thaliana]'		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o4.tw	Method	TBLASTX:Wheat
Start	2217	End	2797
GI	none	Score	186
Exons	2217..2348, 2373..2600, 2582..2797		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o4.tm	Method	TBLASTX:Maize
Start	2340	End	2600
GI	none	Score	188
Exons	2340..2600		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o3.tm	Method	TBLASTX:Maize
Start	3003	End	3317
GI	none	Score	72
Exons	3003..3317, 3055..3198		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o6.tw	Method	TBLASTX:Wheat
Start	3003	End	3314
GI	none	Score	186
Exons	3003..3314		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o7.tw	Method	TBLASTX:Wheat
Start	3408	End	3665
GI	none	Score	55
Exons	3408..3665, 3412..3567		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o5.tw	Method	TBLASTX:Wheat
Start	3705	End	4113
GI	none	Score	52
Exons	3705..3878, 3757..3849, 3886..4113, 3888..4112		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o1.ts	Method	TBLASTX:Soybean
Start	4203	End	4628
GI	none	Score	295
Exons	4203..4628		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o2.tw	Method	TBLASTX:Wheat
Start	4263	End	4682
GI	none	Score	195
Exons	4263..4682, 4300..4572, 4526..4642		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o2.tm	Method	TBLASTX:Maize
Start	4356	End	4739
GI	none	Score	85
Exons	4356..4739, 4357..4572		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o1.tm	Method	TBLASTX:Maize
Start	4767	End	5123
GI	none	Score	153
Exons	4767..5069, 4767..5123, 4768..5082		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o1.tw	Method	TBLASTX:Wheat
Start	4797	End	5253
GI	none	Score	401
Exons	4797..5252, 4798..5253		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o2.ts	Method	TBLASTX:Soybean
Start	4848	End	5213
GI	none	Score	105
Exons	4848..4982, 4989..5213		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10

Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o3.tw	Method	TBLASTX:Wheat
Start	5445	End	5900
GI	none	Score	134
Exons	5445..5681, 5455..5679, 5718..5900, 5791..5892		

Seq. No.	40828	Seq. ID	OJ990601_04.0310.C10
Gene No.	84549	Strand	+
Start	6407	End	6559
Name	OJ990601_04.0310.C10.o1.gp	Method	AAT/GAP
Start	6407	End	6559
GI	uC-osflcyp177g01a1	Score	235
Exons	6407..6559		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	40829	Seq. ID	OJ990601_04.0310.C11
Gene No.	84550	Strand	
Start	115	End	405
Name	OJ990601_04.0310.C11.o1.tw	Method	TBLASTX:Wheat
Start	115	End	405
GI	none	Score	218
Exons	115..405, 297..368		

Seq. No.	40830	Seq. ID	OJ990601_04.0310.C12
Gene No.	84551	Strand	
Start	1432	End	1828
Name	OJ990601_04.0310.C12.o1.tw	Method	TBLASTX:Wheat
Start	1432	End	1828
GI	none	Score	47
Exons	1432..1599, 1599..1691, 1607..1705, 1670..1777, 1674..1766, 1778..1828		

Seq. No.	40831	Seq. ID	OJ990601_04.0310.C13
Gene No.	84552	Strand	+
Start	846	End	1018
Name	OJ990601_04.0310.C13.o1.gp	Method	AAT/GAP
Start	846	End	1018
GI	LIB3433-026-P1-K1-C1	Score	232
Exons	846..1018		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	40832	Seq. ID	OJ990601_04.0310.C15
Gene No.	84553	Strand	-
Start	1	End	171
Name	OJ990601_04.0310.C15.o1.gp	Method	AAT/GAP
Start	1	End	171
GI	none	Score	322
Exons	1..171		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84554	Strand	+
Start	5088	End	5361
Name	OJ990601_04.0310.C16.o2.gp	Method	AAT/GAP
Start	5088	End	5361

GI	LIB3434-038-P1-K1-B10	Score	270
Exons	5088..5156, 5254..5361		
GI Descrip.	'3687250 4.0e-38 (AC005169) putative arginine n-methyltransferase [Arabidopsis thaliana]'		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84555	Strand	-
Start	3316	End	5625
Name	OJ990601_04.0310.C16.o2.ts	Method	TBLASTX:Soybean
Start	96	End	1196
GI	none	Score	79
Exons	96..188, 249..293, 300..416, 322..414, 421..546, 497..538, 931..1035, 932..1039, 1116..1196, 1117..1191		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84555	Strand	-
Start	3316	End	5625
Name	OJ990601_04.0310.C16.o1.tm	Method	TBLASTX:Maize
Start	108	End	1883
GI	none	Score	245
Exons	108..416, 108..416, 397..546, 419..538, 493..543, 928..1035, 931..1035, 932..1039, 935..1036, 1116..1193, 1117..1185, 1738..1833, 1799..1876, 1809..1883		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84555	Strand	-
Start	3316	End	5625
Name	OJ990601_04.0310.C16.o2.tm	Method	TBLASTX:Maize
Start	3314	End	5625
GI	none	Score	38
Exons	3314..3346, 3377..3466, 3560..3610, 3568..3612, 4421..4588, 4427..4588, 5092..5151, 5093..5155, 5093..5149, 5223..5396, 5225..5398, 5253..5396, 5263..5460, 5284..5403, 5534..5584, 5537..5584, 5538..5624, 5554..5625		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84555	Strand	-
Start	3316	End	5625
Name	OJ990601_04.0310.C16.o1.gp	Method	AAT/GAP
Start	3316	End	3533
GI	none	Score	381
Exons	3316..3533		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84555	Strand	-
Start	3316	End	5625
Name	OJ990601_04.0310.C16.o1.tc	Method	TBLASTX:Cress
Start	3563	End	5625
GI	none	Score	85
Exons	3563..3610, 4427..4588, 4429..4587, 5093..5155, 5093..5155, 5223..5399, 5226..5396, 5321..5398, 5540..5584, 5541..5624, 5557..5625		

Seq. No.	40833	Seq. ID	OJ990601_04.0310.C16
Gene No.	84555	Strand	-
Start	3316	End	5625
Name	OJ990601_04.0310.C16.o1.ts	Method	TBLASTX:Soybean

Start	3563	End	5318
GI	none	Score	91
Exons	3563..3610, 4427..4588, 4429..4587, 4462..4590, 5093..5155, 5223..5318		

Seq. No.	40834	Seq. ID	OJ990601_04.0310.C17
Gene No.	84556	Strand	+
Start	111	End	630
Name	OJ990601_04.0310.C17.o1.ts	Method	TBLASTX:Soybean
Start	105	End	319
GI	none	Score	88
Exons	105..311, 109..312, 110..319		

Seq. No.	40834	Seq. ID	OJ990601_04.0310.C17
Gene No.	84556	Strand	+
Start	111	End	630
Name	OJ990601_04.0310.C17.o1.tm	Method	TBLASTX:Maize
Start	108	End	485
GI	none	Score	199
Exons	108..317, 109..315, 110..331, 441..485, 448..483		

Seq. No.	40834	Seq. ID	OJ990601_04.0310.C17
Gene No.	84556	Strand	+
Start	111	End	630
Name	OJ990601_04.0310.C17.o1.tc	Method	TBLASTX:Cress
Start	109	End	319
GI	none	Score	317
Exons	109..312, 110..319		

Seq. No.	40834	Seq. ID	OJ990601_04.0310.C17
Gene No.	84556	Strand	+
Start	111	End	630
Name	OJ990601_04.0310.C17.o1.gp	Method	AAT/GAP
Start	111	End	630
GI	28387_1.R1084	Score	971
Exons	111..630		
GI Descrip.	'5123545/emb|CAB45311.1| 2.0e-33 (AL079344) arginine methyltransferase (pam1) [Arabidopsis thaliana]'		

Seq. No.	40835	Seq. ID	OJ990601_04.0310.C21
Gene No.	84557	Strand	+
Start	1406	End	2073
Name	OJ990601_04.0310.C21.o1.tm	Method	TBLASTX:Maize
Start	1398	End	2013
GI	none	Score	373
Exons	1398..1850, 1402..1797, 1404..1799, 1406..1891, 1843..1953, 1920..1952, 1980..2009, 1981..2013, 1981..2013		

Seq. No.	40835	Seq. ID	OJ990601_04.0310.C21
Gene No.	84557	Strand	+
Start	1406	End	2073
Name	OJ990601_04.0310.C21.o1.gp	Method	AAT/GAP
Start	1406	End	2073
GI	8345_1.R1084	Score	1292
Exons	1406..2073		
GI Descrip.	'4538913/emb|CAB39650.1| 1.0e-16 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	40836	Seq. ID	OJ990601_04.0310.C23
Gene No.	84558	Strand	
Start	1168	End	1519
Name	OJ990601_04.0310.C23.o1.tw	Method	TBLASTX:Wheat
Start	1168	End	1397
GI	none	Score	60
Exons	1168..1233, 1178..1228, 1230..1397, 1232..1396		

Seq. No.	40836	Seq. ID	OJ990601_04.0310.C23
Gene No.	84558	Strand	
Start	1168	End	1519
Name	OJ990601_04.0310.C23.o1.ts	Method	TBLASTX:Soybean
Start	1178	End	1519
GI	none	Score	91
Exons	1178..1519, 1193..1513, 1260..1517		

Seq. No.	40836	Seq. ID	OJ990601_04.0310.C23
Gene No.	84558	Strand	
Start	1168	End	1519
Name	OJ990601_04.0310.C23.o1.tc	Method	TBLASTX:Cress
Start	1181	End	1517
GI	none	Score	193
Exons	1181..1516, 1218..1517		

Seq. No.	40836	Seq. ID	OJ990601_04.0310.C23
Gene No.	84558	Strand	
Start	1168	End	1519
Name	OJ990601_04.0310.C23.o1.tm	Method	TBLASTX:Maize
Start	1181	End	1519
GI	none	Score	242
Exons	1181..1519, 1182..1517		

Seq. No.	40837	Seq. ID	OJ990601_04.0310.C24
Gene No.	84559	Strand	
Start	22	End	444
Name	OJ990601_04.0310.C24.o1.tm	Method	TBLASTX:Maize
Start	22	End	402
GI	none	Score	93
Exons	22..117, 26..118, 26..124, 30..125, 234..335, 251..400, 253..402		

Seq. No.	40837	Seq. ID	OJ990601_04.0310.C24
Gene No.	84559	Strand	
Start	22	End	444
Name	OJ990601_04.0310.C24.o1.ts	Method	TBLASTX:Soybean
Start	83	End	444
GI	none	Score	47
Exons	83..124, 90..125, 253..444, 254..442		

Seq. No.	40838	Seq. ID	OJ990601_04.0310.C26
Gene No.	84560	Strand	
Start	2	End	1100
Name	OJ990601_04.0310.C26.o1.tc	Method	TBLASTX:Cress
Start	2	End	1076
GI	none	Score	161
Exons	2..130, 3..125, 264..395, 268..372, 456..575, 464..574, 954..1076, 956..1069		

Seq. No.	40838	Seq. ID	OJ990601_04.0310.C26
Gene No.	84560	Strand	
Start	2	End	1100
Name	OJ990601_04.0310.C26.o1.tm	Method	TBLASTX:Maize
Start	2	End	1100
GI	none	Score	102
Exons	2..67, 2..124, 3..134, 264..371, 264..371, 265..387, 268..372, 456..575, 464..574, 951..1070, 954..1100, 956..1075		

Seq. No.	40838	Seq. ID	OJ990601_04.0310.C26
Gene No.	84560	Strand	
Start	2	End	1100
Name	OJ990601_04.0310.C26.o1.ts	Method	TBLASTX:Soybean
Start	48	End	575
GI	none	Score	88
Exons	48..125, 264..371, 264..395, 268..372, 456..575, 464..574		

Seq. No.	40839	Seq. ID	OJ990601_04.0310.C29
Gene No.	84561	Strand	
Start	2105	End	2377
Name	OJ990601_04.0310.C29.o1.tc	Method	TBLASTX:Cress
Start	2105	End	2377
GI	none	Score	121
Exons	2105..2377, 2110..2376		

Seq. No.	40839	Seq. ID	OJ990601_04.0310.C29
Gene No.	84561	Strand	
Start	2105	End	2377
Name	OJ990601_04.0310.C29.o1.ts	Method	TBLASTX:Soybean
Start	2105	End	2376
GI	none	Score	102
Exons	2105..2296, 2110..2376		

Seq. No.	40839	Seq. ID	OJ990601_04.0310.C29
Gene No.	84561	Strand	
Start	2105	End	2377
Name	OJ990601_04.0310.C29.o1.tm	Method	TBLASTX:Maize
Start	2105	End	2376
GI	none	Score	126
Exons	2105..2296, 2110..2376, 2287..2376		

Seq. No.	40840	Seq. ID	OJ990601_04.0310.C31
Gene No.	84562	Strand	
Start	1241	End	1528
Name	OJ990601_04.0310.C31.o1.tw	Method	TBLASTX:Wheat
Start	1241	End	1528
GI	none	Score	230
Exons	1241..1528		

Seq. No.	40841	Seq. ID	OJ990601_04.0310.C32
Gene No.	84563	Strand	
Start	599	End	830
Name	OJ990601_04.0310.C32.o1.tw	Method	TBLASTX:Wheat
Start	599	End	830
GI	none	Score	290
Exons	599..829, 630..830, 631..828		

Seq. No.	40841	Seq. ID	OJ990601_04.0310.C32
Gene No.	84563	Strand	
Start	599	End	830
Name	OJ990601_04.0310.C32.o1.tm	Method	TBLASTX:Maize
Start	616	End	830
GI	none	Score	320
Exons	616..828, 630..830, 631..828		

Seq. No.	40841	Seq. ID	OJ990601_04.0310.C32
Gene No.	84563	Strand	
Start	599	End	830
Name	OJ990601_04.0310.C32.o1.tc	Method	TBLASTX:Cress
Start	633	End	830
GI	none	Score	281
Exons	633..830, 640..828		

Seq. No.	40841	Seq. ID	OJ990601_04.0310.C32
Gene No.	84563	Strand	
Start	599	End	830
Name	OJ990601_04.0310.C32.o1.ts	Method	TBLASTX:Soybean
Start	637	End	830
GI	none	Score	271
Exons	637..810, 639..830, 640..828		

Seq. No.	40842	Seq. ID	OJ990601_04.0310.C43
Gene No.	84564	Strand	+
Start	325	End	1032
Name	OJ990601_04.0310.C43.o1.gp	Method	AAT/GAP
Start	325	End	1020
GI	58331_1.R1084	Score	684
Exons	325..385, 491..683, 805..859, 939..1020		
GI Descrip.	'4741194/emb|CAB41860.1| 2.0e-36 (AL049746) ABC transporter-like protein [Arabidopsis thaliana]'		

Seq. No.	40842	Seq. ID	OJ990601_04.0310.C43
Gene No.	84564	Strand	+
Start	325	End	1032
Name	OJ990601_04.0310.C43.o1.tm	Method	TBLASTX:Maize
Start	527	End	852
GI	none	Score	152
Exons	527..655, 551..640, 730..852, 732..851		

Seq. No.	40842	Seq. ID	OJ990601_04.0310.C43
Gene No.	84564	Strand	+
Start	325	End	1032
Name	OJ990601_04.0310.C43.o1.tc	Method	TBLASTX:Cress
Start	724	End	1032
GI	none	Score	123
Exons	724..861, 726..860, 938..1030, 955..1032		

Seq. No.	40843	Seq. ID	OJ990601_04.0310.C45
Gene No.	84565	Strand	
Start	366	End	1219
Name	OJ990601_04.0310.C45.o1.ts	Method	TBLASTX:Soybean
Start	366	End	1219
GI	none	Score	365

Exons	366..641, 426..644, 457..645, 753..890, 754..888, 1065..1205, 1082..1219, 1083..1217		
Seq. No.	40843	Seq. ID	OJ990601_04.0310.C45
Gene No.	84565	Strand	
Start	366	End	1219
Name	OJ990601_04.0310.C45.o1.tc	Method	TBLASTX:Cress
Start	423	End	885
GI	none	Score	339
Exons	423..644, 434..574, 484..639, 753..881, 754..885, 757..885		
Seq. No.	40843	Seq. ID	OJ990601_04.0310.C45
Gene No.	84565	Strand	
Start	366	End	1219
Name	OJ990601_04.0310.C45.o1.tm	Method	TBLASTX:Maize
Start	477	End	1219
GI	none	Score	303
Exons	477..644, 477..644, 478..660, 478..645, 752..889, 753..890, 754..888, 760..894, 1080..1208, 1082..1219, 1083..1217		
Seq. No.	40843	Seq. ID	OJ990601_04.0310.C45
Gene No.	84565	Strand	
Start	366	End	1219
Name	OJ990601_04.0310.C45.o2.tc	Method	TBLASTX:Cress
Start	1080	End	1214
GI	none	Score	190
Exons	1080..1202, 1083..1214		
Seq. No.	40844	Seq. ID	OJ990601_04.0310.C46
Gene No.	84566	Strand	
Start	218	End	819
Name	OJ990601_04.0310.C46.o1.tm	Method	TBLASTX:Maize
Start	218	End	514
GI	none	Score	108
Exons	218..319, 234..326, 235..321, 407..514, 413..514		
Seq. No.	40844	Seq. ID	OJ990601_04.0310.C46
Gene No.	84566	Strand	
Start	218	End	819
Name	OJ990601_04.0310.C46.o1.tc	Method	TBLASTX:Cress
Start	401	End	819
GI	none	Score	80
Exons	401..505, 616..819, 635..757		
Seq. No.	40845	Seq. ID	OJ990601_04.0310.C54
Gene No.	84567	Strand	-
Start	911	End	1418
Name	OJ990601_04.0310.C54.o2.gp	Method	AAT/GAP
Start	911	End	1418
GI	60270_1.R1084	Score	944
Exons	911..1418		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		
Seq. No.	40846	Seq. ID	OJ990601_04.0310.C73
Gene No.	84568	Strand	+
Start	424	End	546

Name	OJ990601_04.0310.C73.o1.tm	Method	TBLASTX:Maize
Start	1	End	546
GI	none	Score	50
Exons	1..30, 3..86, 6..131, 95..169, 97..147, 171..209, 172..216, 173..211, 379..546, 380..538		

Seq. No.	40846	Seq. ID	OJ990601_04.0310.C73
Gene No.	84568	Strand	+
Start	424	End	546
Name	OJ990601_04.0310.C73.o1.gp	Method	AAT/GAP
Start	424	End	542
GI	uC-osroM202039b11b1	Score	216
Exons	424..542		
GI Descrip.	'2062175 3.0e-34 (AC001645) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84569	Strand	-
Start	1228	End	1445
Name	OJ990601_04.0310.C86.o1.gp	Method	AAT/GAP
Start	1228	End	1445
GI	none	Score	296
Exons	1228..1445		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84570	Strand	-
Start	1970	End	2309
Name	OJ990601_04.0310.C86.o2.gp	Method	AAT/GAP
Start	1970	End	2309
GI	none	Score	627
Exons	1970..2309		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o1.tw	Method	TBLASTX:Wheat
Start	56	End	593
GI	none	Score	73
Exons	56..115, 56..112, 58..138, 321..419, 327..434, 328..420, 428..589, 453..593, 494..586, 495..590		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o1.ts	Method	TBLASTX:Soybean
Start	57	End	1167
GI	none	Score	88
Exons	57..131, 58..138, 320..361, 327..419, 340..420, 346..420, 428..589, 492..593, 495..590, 805..1167, 879..1157		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o2.tm	Method	TBLASTX:Maize
Start	57	End	593
GI	none	Score	61
Exons	57..110, 57..131, 58..138, 320..367, 327..434, 343..420,		

473..589, 492..593, 495..590

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o1.tc	Method	TBLASTX:Cress
Start	510	End	1158
GI	none	Score	95
Exons	510..569, 513..563, 805..1158, 879..1145		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o1.tm	Method	TBLASTX:Maize
Start	818	End	1155
GI	none	Score	392
Exons	818..835, 819..1151, 820..1155, 879..1154, 1102..1155		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o2.tw	Method	TBLASTX:Wheat
Start	879	End	1044
GI	none	Score	169
Exons	879..992, 880..1002, 984..1043, 993..1043, 994..1044		

Seq. No.	40847	Seq. ID	OJ990601_04.0310.C86
Gene No.	84571	Strand	-
Start	2224	End	2958
Name	OJ990601_04.0310.C86.o3.gp	Method	AAT/GAP
Start	2224	End	2958
GI	none	Score	1282
Exons	2224..2958		

Seq. No.	40848	Seq. ID	OJ990601_04.0310.C87
Gene No.	84572	Strand	+
Start	1617	End	1762
Name	OJ990601_04.0310.C87.o1.gp	Method	AAT/GAP
Start	1617	End	1762
GI	15680_2.R1084	Score	284
Exons	1617..1762		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	40849	Seq. ID	OJ990601_04.0310.C88
Gene No.	84573	Strand	+
Start	699	End	1597
Name	OJ990601_04.0310.C88.o1.tm	Method	TBLASTX:Maize
Start	666	End	1567
GI	none	Score	163
Exons	666..812, 698..808, 1183..1212, 1183..1263, 1212..1268, 1213..1263, 1357..1566, 1358..1567, 1359..1565		

Seq. No.	40849	Seq. ID	OJ990601_04.0310.C88
Gene No.	84573	Strand	+
Start	699	End	1597
Name	OJ990601_04.0310.C88.o1.gp	Method	AAT/GAP

Start	699	End	1597
GI	15680_2.R1084	Score	723
Exons	699..809, 1183..1268, 1356..1597		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	40849	Seq. ID	OJ990601_04.0310.C88
Gene No.	84573	Strand	+
Start	699	End	1597
Name	OJ990601_04.0310.C88.o1.ts	Method	TBLASTX:Soybean
Start	699	End	1570
GI	none	Score	113
Exons	699..812, 1189..1263, 1215..1289, 1353..1568, 1358..1570, 1359..1565		

Seq. No.	40849	Seq. ID	OJ990601_04.0310.C88
Gene No.	84573	Strand	+
Start	699	End	1597
Name	OJ990601_04.0310.C88.o1.tc	Method	TBLASTX:Cress
Start	1192	End	1567
GI	none	Score	86
Exons	1192..1263, 1198..1263, 1215..1289, 1353..1544, 1358..1567, 1359..1565		

Seq. No.	40850	Seq. ID	OJ990601_04.0310.C89
Gene No.	84574	Strand	+
Start	1	End	416
Name	OJ990601_04.0310.C89.o1.gp	Method	AAT/GAP
Start	1	End	416
GI	15680_1.R1084	Score	821
Exons	1..416		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		

Seq. No.	40850	Seq. ID	OJ990601_04.0310.C89
Gene No.	84575	Strand	+
Start	4975	End	5727
Name	OJ990601_04.0310.C89.o3.gp	Method	AAT/GAP
Start	4975	End	5727
GI	2427264	Score	824
Exons	4975..5140, 5299..5383, 5520..5727		
GI Descrip.	3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	40850	Seq. ID	OJ990601_04.0310.C89
Gene No.	84576	Strand	-
Start	3274	End	6010
Name	OJ990601_04.0310.C89.o1.tc	Method	TBLASTX:Cress
Start	1904	End	5836
GI	none	Score	75
Exons	1904..1981, 2113..2196, 2114..2197, 3481..3603, 3482..3604, 3723..3806, 3724..3819, 3889..4044, 4174..4251, 4176..4241, 4308..4382, 4310..4381, 4591..4698, 4820..4885, 5024..5140, 5032..5127, 5296..5379, 5501..5617, 5518..5616, 5744..5836, 5761..5835		

Seq. No.	40850	Seq. ID	OJ990601_04.0310.C89

Gene No.	84576	Strand	-
Start	3274	End	6010
Name	OJ990601_04.0310.C89.o2.gp	Method	AAT/GAP
Start	3274	End	3473
GI	3106969	Score	372
Exons	3274..3473		

Seq. No.	40850	Seq. ID	OJ990601_04.0310.C89
Gene No.	84576	Strand	-
Start	3274	End	6010
Name	OJ990601_04.0310.C89.o1.tm	Method	TBLASTX:Maize
Start	4624	End	5557
GI	none	Score	119
Exons	4624..4698, 4625..4708, 4820..4888, 4825..4899, 4828..4896, 5020..5127, 5024..5140, 5028..5138, 5296..5379, 5298..5378, 5321..5383, 5503..5556, 5519..5557		

Seq. No.	40850	Seq. ID	OJ990601_04.0310.C89
Gene No.	84576	Strand	-
Start	3274	End	6010
Name	OJ990601_04.0310.C89.o2.tm	Method	TBLASTX:Maize
Start	5558	End	6010
GI	none	Score	98
Exons	5558..5617, 5560..5616, 5742..5834, 5743..5835, 5744..5836, 5909..5998, 5917..5997, 5918..6010, 5919..5999		

Seq. No.	40851	Seq. ID	OJ990601_04.0310.C107
Gene No.	84577	Strand	
Start	23	End	2496
Name	OJ990601_04.0310.C107.o1.tm	Method	TBLASTX:Maize
Start	23	End	2496
GI	none	Score	60
Exons	23..100, 1049..1129, 1051..1128, 1222..1308, 1247..1297, 1248..1331, 1406..1525, 1407..1526, 1408..1578, 1411..1527, 1649..1840, 1665..1838, 1665..1841, 1666..1845, 1975..2076, 1986..2102, 2155..2283, 2156..2287, 2160..2294, 2378..2494, 2380..2496, 2382..2495		

Seq. No.	40851	Seq. ID	OJ990601_04.0310.C107
Gene No.	84577	Strand	
Start	23	End	2496
Name	OJ990601_04.0310.C107.o1.tc	Method	TBLASTX:Cress
Start	1406	End	2245
GI	none	Score	81
Exons	1406..1525, 1408..1527, 1665..1853, 1669..1842, 2135..2245		

Seq. No.	40851	Seq. ID	OJ990601_04.0310.C107
Gene No.	84577	Strand	
Start	23	End	2496
Name	OJ990601_04.0310.C107.o1.ts	Method	TBLASTX:Soybean
Start	1665	End	2495
GI	none	Score	85
Exons	1665..1835, 1666..1839, 1668..1853, 2162..2287, 2382..2495		

Seq. No.	40852	Seq. ID	OJ990601_04.0310.C108
Gene No.	84578	Strand	
Start	272	End	488

Name	OJ990601_04.0310.C108.o1.ts	Method	TBLASTX:Soybean
Start	272	End	488
GI	none	Score	112
Exons	272..445, 272..487, 297..488		

Seq. No.	40852	Seq. ID	OJ990601_04.0310.C108
Gene No.	84578	Strand	
Start	272	End	488
Name	OJ990601_04.0310.C108.o1.tm	Method	TBLASTX:Maize
Start	272	End	470
GI	none	Score	159
Exons	272..460, 272..460, 273..470		

Seq. No.	40853	Seq. ID	OJ990601_04.0310.C109
Gene No.	84579	Strand	+
Start	513	End	593
Name	OJ990601_04.0310.C109.o1.gp	Method	AAT/GAP
Start	513	End	593
GI	8345_1.R1084	Score	119
Exons	513..593		
GI Descrip.	'4538913/emb|CAB39650.1| 1.0e-16 (AL049482) putative protein [Arabidopsis thaliana]'		

Seq. No.	40854	Seq. ID	OJ990601_04.0310.C115
Gene No.	84580	Strand	
Start	24	End	715
Name	OJ990601_04.0310.C115.o1.ts	Method	TBLASTX:Soybean
Start	24	End	354
GI	none	Score	200
Exons	24..155, 26..160, 27..164, 64..162, 241..348, 246..353, 247..354		

Seq. No.	40854	Seq. ID	OJ990601_04.0310.C115
Gene No.	84580	Strand	
Start	24	End	715
Name	OJ990601_04.0310.C115.o1.tm	Method	TBLASTX:Maize
Start	83	End	715
GI	none	Score	108
Exons	83..160, 84..164, 246..353, 247..354, 459..563, 461..604, 632..715		

Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84581	Strand	+
Start	2019	End	2343
Name	OJ991116_04.0404.C6.o2.gp	Method	AAT/GAP
Start	2019	End	2343
GI	uC-osflcyp176f10b1	Score	520
Exons	2019..2343		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84582	Strand	-
Start	72	End	4362
Name	OJ991116_04.0404.C6.o1.np	Method	AAT/NAP
Start	72	End	4362
GI	4680204	Score	903

Exons	72..120, 2384..2851, 2926..4362		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84582	Strand	-
Start	72	End	4362
Name	OJ991116_04.0404.C6.o1.gs	Method	GENSCAN
Start	79	End	4347
GI	none	Score	.67
Exons	79..223, 857..993, 1073..1171, 1266..1338, 1423..1533, 1630..1803, 1913..2003, 2095..2424, 2441..2584, 2710..2851, 2926..3045, 3091..3374, 3489..4347		
Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84582	Strand	-
Start	72	End	4362
Name	OJ991116_04.0404.C6.o1.gp	Method	AAT/GAP
Start	396	End	492
GI	21474_1.R1084	Score	138
Exons	396..492		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84583	Strand	-
Start	4671	End	4737
Name	OJ991116_04.0404.C6.o2.tw	Method	TBLASTX:Wheat
Start	1464	End	1986
GI	none	Score	70
Exons	1464..1535, 1635..1817, 1642..1767, 1906..1986		
Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84583	Strand	-
Start	4671	End	4737
Name	OJ991116_04.0404.C6.o1.tw	Method	TBLASTX:Wheat
Start	3316	End	3719
GI	none	Score	85
Exons	3316..3486, 3449..3616, 3481..3717, 3568..3717, 3609..3719		
Seq. No.	40855	Seq. ID	OJ991116_04.0404.C6
Gene No.	84583	Strand	-
Start	4671	End	4737
Name	OJ991116_04.0404.C6.o3.gp	Method	AAT/GAP
Start	4671	End	4737
GI	342_1.R1084	Score	113
Exons	4671..4737		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	40856	Seq. ID	OJ991116_04.0404.C7
Gene No.	84584	Strand	-
Start	1	End	2617
Name	OJ991116_04.0404.C7.o1.np	Method	AAT/NAP
Start	1	End	2617
GI	7106515	Score	2366
Exons	1..204, 286..500, 771..1373, 1464..2617		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC		

T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]

Seq. No.	40856	Seq. ID	OJ991116_04.0404.C7
Gene No.	84584	Strand	-
Start	1	End	2617
Name	OJ991116_04.0404.C7.o1.gs	Method	GENSCAN
Start	505	End	2568
GI	none	Score	.61
Exons	505..752, 959..1385, 1464..2568		

Seq. No.	40856	Seq. ID	OJ991116_04.0404.C7
Gene No.	84584	Strand	-
Start	1	End	2617
Name	OJ991116_04.0404.C7.o2.tm	Method	TBLASTX:Maize
Start	1312	End	1717
GI	none	Score	77
Exons	1312..1386, 1465..1584, 1478..1597, 1588..1713, 1595..1717, 1601..1717		

Seq. No.	40856	Seq. ID	OJ991116_04.0404.C7
Gene No.	84584	Strand	-
Start	1	End	2617
Name	OJ991116_04.0404.C7.o1.tw	Method	TBLASTX:Wheat
Start	1600	End	1875
GI	none	Score	124
Exons	1600..1875, 1601..1750		

Seq. No.	40856	Seq. ID	OJ991116_04.0404.C7
Gene No.	84584	Strand	-
Start	1	End	2617
Name	OJ991116_04.0404.C7.o1.tm	Method	TBLASTX:Maize
Start	1720	End	2523
GI	none	Score	75
Exons	1720..2001, 1808..1963, 2005..2454, 2470..2523		

Seq. No.	40857	Seq. ID	OJ991116_04.0404.C8
Gene No.	84585	Strand	+
Start	4893	End	6834
Name	OJ991116_04.0404.C8.o1.np	Method	AAT/NAP
Start	4893	End	6834
GI	7486147	Score	412
Exons	4893..5655, 5983..6484, 6793..6834		
GI Descrip.	hypothetical protein F25I24.40 - Arabidopsis thaliana gi|4539357|emb|CAB40051.1| (AL049525) putative protein [Arabidopsis thaliana] gi|7267781|emb|CAB81184.1| (AL161518) putative protein [Arabidopsis thaliana]		

Seq. No.	40857	Seq. ID	OJ991116_04.0404.C8
Gene No.	84586	Strand	-
Start	313	End	6485
Name	OJ991116_04.0404.C8.o1.gs	Method	GENSCAN
Start	313	End	5629
GI	none	Score	.46
Exons	313..486, 1032..1107, 2376..2458, 3701..3811, 3951..4030, 4226..4555, 4775..4852, 5611..5629		

Seq. No.	40857	Seq. ID	OJ991116_04.0404.C8
Gene No.	84586	Strand	-
Start	313	End	6485
Name	OJ991116_04.0404.C8.o1.tm	Method	TBLASTX:Maize
Start	5105	End	6419
GI	none	Score	113
Exons	5105..5251, 5294..5407, 5409..5633, 5480..5638, 5988..6362, 6393..6419		

Seq. No.	40857	Seq. ID	OJ991116_04.0404.C8
Gene No.	84586	Strand	-
Start	313	End	6485
Name	OJ991116_04.0404.C8.o1.tw	Method	TBLASTX:Wheat
Start	6153	End	6485
GI	none	Score	233
Exons	6153..6485		

Seq. No.	40858	Seq. ID	OJ991116_04.0404.C12
Gene No.	84587	Strand	+
Start	223	End	251
Name	OJ991116_04.0404.C12.o1.gs	Method	GENSCAN
Start	223	End	251
GI	none	Score	.88
Exons	223..251		

Seq. No.	40859	Seq. ID	OJ991116_04.0404.C13
Gene No.	84588	Strand	-
Start	78	End	634
Name	OJ991116_04.0404.C13.o1.gs	Method	GENSCAN
Start	78	End	634
GI	none	Score	.46
Exons	78..296, 584..634		

Seq. No.	40860	Seq. ID	OJ991116_04.0404.C14
Gene No.	84589	Strand	-
Start	391	End	1542
Name	OJ991116_04.0404.C14.o1.gs	Method	GENSCAN
Start	391	End	1542
GI	none	Score	.87
Exons	391..501, 640..768, 857..1542		

Seq. No.	40861	Seq. ID	OJ991116_04.0404.C15
Gene No.	84590	Strand	-
Start	1	End	1559
Name	OJ991116_04.0404.C15.o1.np	Method	AAT/NAP
Start	1	End	1559
GI	4680204	Score	592
Exons	1..1559		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40861	Seq. ID	OJ991116_04.0404.C15
Gene No.	84590	Strand	-
Start	1	End	1559
Name	OJ991116_04.0404.C15.o1.gs	Method	GENSCAN
Start	10	End	1544
GI	none	Score	.71
Exons	10..151, 244..662, 770..947, 1080..1544		

Seq. No.	40861	Seq. ID	OJ991116_04.0404.C15
Gene No.	84591	Strand	-
Start	1662	End	1842
Name	OJ991116_04.0404.C15.o1.tw	Method	TBLASTX:Wheat
Start	540	End	938
GI	none	Score	79
Exons	540..707, 544..708, 697..837, 702..938, 744..869		

Seq. No.	40861	Seq. ID	OJ991116_04.0404.C15
Gene No.	84591	Strand	-
Start	1662	End	1842
Name	OJ991116_04.0404.C15.o1.gp	Method	AAT/GAP
Start	1662	End	1842
GI	LIB3477-003-P1-K1-E9	Score	87
Exons	1662..1726, 1803..1842		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84592	Strand	+
Start	44	End	492
Name	OJ991116_04.0404.C16.o1.gs	Method	GENSCAN
Start	44	End	492
GI	none	Score	.98
Exons	44..492		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84593	Strand	+
Start	2666	End	8731
Name	OJ991116_04.0404.C16.o2.np	Method	AAT/NAP
Start	2666	End	8731
GI	6063554	Score	195
Exons	2666..2737, 6592..6900, 7004..7236, 7892..7922, 8557..8731		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84594	Strand	-
Start	491	End	8544
Name	OJ991116_04.0404.C16.o1.gp	Method	AAT/GAP
Start	491	End	4389
GI	342_1.R1084	Score	6081
Exons	491..4389		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84594	Strand	-
Start	491	End	8544
Name	OJ991116_04.0404.C16.o2.gs	Method	GENSCAN
Start	1057	End	8544
GI	none	Score	.46
Exons	1057..1392, 1483..2886, 2938..3074, 3163..3533, 3693..3933, 4033..4393, 6652..6921, 6969..7131, 7154..7463, 8463..8544		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84594	Strand	-
Start	491	End	8544
Name	OJ991116_04.0404.C16.o1.np	Method	AAT/NAP
Start	1078	End	4387
GI	4680203	Score	3159
Exons	1078..2061, 2338..2565, 2719..4387		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84594	Strand	-
Start	491	End	8544
Name	OJ991116_04.0404.C16.o2.gp	Method	AAT/GAP
Start	4254	End	4879
GI	2310235	Score	293
Exons	4254..4393, 4842..4879		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84594	Strand	-
Start	491	End	8544
Name	OJ991116_04.0404.C16.o3.gp	Method	AAT/GAP
Start	5294	End	5364
GI	uC-osf1M202097d10b1	Score	90
Exons	5294..5364		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o1.tw	Method	TBLASTX:Wheat
Start	1132	End	2452
GI	none	Score	52
Exons	1132..1224, 1133..1198, 1149..1220, 1213..1293, 1230..1289, 1241..1291, 1298..1378, 1300..1416, 1300..1446, 1307..1447, 1394..1495, 1426..1494, 1435..1863, 1495..1536, 1531..1878, 1547..1867, 1563..1880, 1907..2452, 2016..2126, 2032..2451		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o1.tc	Method	TBLASTX:Cress
Start	1714	End	2168
GI	none	Score	104
Exons	1714..1863, 1714..1878, 1718..1867, 1907..2164, 1986..2168, 2032..2160		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o2.tm	Method	TBLASTX:Maize
Start	2095	End	2409
GI	none	Score	74
Exons	2095..2325, 2095..2409, 2123..2398		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o3.tw	Method	TBLASTX:Wheat
Start	2467	End	2907
GI	none	Score	73
Exons	2467..2550, 2468..2542, 2476..2622, 2548..2790, 2605..2775, 2609..2794, 2762..2905, 2785..2907		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o1.tm	Method	TBLASTX:Maize
Start	2966	End	3427
GI	none	Score	102
Exons	2966..3163, 3173..3427, 3173..3415		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o2.tw	Method	TBLASTX:Wheat
Start	3003	End	3472
GI	none	Score	166
Exons	3003..3209, 3008..3211, 3008..3211, 3210..3302, 3212..3310, 3213..3305, 3314..3418, 3318..3419, 3416..3472, 3420..3461		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o2.tc	Method	TBLASTX:Cress
Start	3260	End	3608
GI	none	Score	82
Exons	3260..3601, 3264..3407, 3456..3608		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o1.ts	Method	TBLASTX:Soybean
Start	3341	End	3770
GI	none	Score	110
Exons	3341..3637, 3354..3605, 3632..3694, 3687..3770, 3695..3769		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o4.tw	Method	TBLASTX:Wheat
Start	3691	End	4078
GI	none	Score	179
Exons	3691..3933, 3701..3952, 3702..3944, 3709..3951, 3949..4068, 3950..4078		

Seq. No.	40862	Seq. ID	OJ991116_04.0404.C16
Gene No.	84595	Strand	-
Start	9099	End	9398
Name	OJ991116_04.0404.C16.o4.gp	Method	AAT/GAP
Start	9099	End	9398

GI	61605_3.R1084	Score	431
Exons	9099..9398		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84596	Strand	+
Start	366	End	857
Name	OJ991116_04.0404.C17.o1.np	Method	AAT/NAP
Start	366	End	857
GI	7442184	Score	875
Exons	366..857		
GI Descrip.	pathogenesis-related protein class 1 - rice gi|1888551|gb|AAB49685.1| (U89895) pathogenesis-related protein class 1 [Oryza sativa]		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84597	Strand	+
Start	2256	End	2553
Name	OJ991116_04.0404.C17.o2.np	Method	AAT/NAP
Start	2256	End	2553
GI	6815099	Score	81
Exons	2256..2553		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84598	Strand	-
Start	2777	End	3056
Name	OJ991116_04.0404.C17.o1.tw	Method	TBLASTX:Wheat
Start	393	End	857
GI	none	Score	179
Exons	393..533, 429..578, 434..562, 596..619, 597..620, 621..857, 623..853		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84598	Strand	-
Start	2777	End	3056
Name	OJ991116_04.0404.C17.o1.tm	Method	TBLASTX:Maize
Start	411	End	857
GI	none	Score	144
Exons	411..533, 423..557, 434..556, 546..578, 596..853, 597..857		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84598	Strand	-
Start	2777	End	3056
Name	OJ991116_04.0404.C17.o1.ts	Method	TBLASTX:Soybean
Start	416	End	866
GI	none	Score	206
Exons	416..577, 420..578, 596..859, 597..866		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84598	Strand	-
Start	2777	End	3056
Name	OJ991116_04.0404.C17.o1.tc	Method	TBLASTX:Cress
Start	419	End	860
GI	none	Score	189
Exons	419..577, 420..578, 597..620, 627..704, 717..794, 789..860		

Seq. No.	40863	Seq. ID	OJ991116_04.0404.C17
Gene No.	84598	Strand	-
Start	2777	End	3056
Name	OJ991116_04.0404.C17.o2.gs	Method	GENSCAN
Start	2777	End	3056
GI	none	Score	.92
Exons	2777..2934, 3017..3056		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84599	Strand	+
Start	7528	End	11637
Name	OJ991116_04.0404.C19.o1.np	Method	AAT/NAP
Start	7528	End	11613
GI	5668772	Score	900
Exons	7528..7947, 10678..11613		
GI Descrip.	(AC005916) Similar to gb|Z84571 anthranilate N-hydroxycinnamoyl/benzoyltransferase from Dianthus caryophyllus. [Arabidopsis thaliana] gi|6693014|gb|AAF24940.1|AC012375_3 (AC012375) T22C5.6 [Arabidopsis thaliana]		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84599	Strand	+
Start	7528	End	11637
Name	OJ991116_04.0404.C19.o2.gs	Method	GENSCAN
Start	7528	End	7965
GI	none	Score	.47
Exons	7528..7744, 7862..7965		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84599	Strand	+
Start	7528	End	11637
Name	OJ991116_04.0404.C19.o3.gs	Method	GENSCAN
Start	10786	End	11637
GI	none	Score	.82
Exons	10786..11637		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84600	Strand	-
Start	4219	End	5815
Name	OJ991116_04.0404.C19.o1.gs	Method	GENSCAN
Start	4219	End	5815
GI	none	Score	.87
Exons	4219..4280, 4369..4817, 4900..5031, 5811..5815		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84601	Strand	
Start	7537	End	7794
Name	OJ991116_04.0404.C19.o1.ts	Method	TBLASTX:Soybean
Start	7537	End	7794
GI	none	Score	229
Exons	7537..7794		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84602	Strand	
Start	11053	End	11553

Name	OJ991116_04.0404.C19.o1.tc	Method	TBLASTX:Cress
Start	11053	End	11553
GI	none	Score	140
Exons	11053..11193, 11263..11346, 11355..11528, 11356..11553		

Seq. No.	40864	Seq. ID	OJ991116_04.0404.C19
Gene No.	84602	Strand	
Start	11053	End	11553
Name	OJ991116_04.0404.C19.o1.tm	Method	TBLASTX:Maize
Start	11215	End	11430
GI	none	Score	192
Exons	11215..11421, 11221..11430		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84603	Strand	+
Start	1796	End	7011
Name	OJ991116_04.0404.C20.o1.gs	Method	GENSCAN
Start	1796	End	3404
GI	none	Score	.77
Exons	1796..1920, 2234..2418, 2626..2859, 3175..3404		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84603	Strand	+
Start	1796	End	7011
Name	OJ991116_04.0404.C20.o1.np	Method	AAT/NAP
Start	2208	End	7011
GI	6630696	Score	1041
Exons	2208..3028, 6945..7011		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84604	Strand	+
Start	9940	End	11246
Name	OJ991116_04.0404.C20.o5.np	Method	AAT/NAP
Start	9940	End	11246
GI	7228450	Score	227
Exons	9940..10048, 10696..10787, 10918..11049, 11135..11246		
GI Descrip.	(AP001366) hypothetical protein [Oryza sativa]		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84605	Strand	+
Start	14215	End	15570
Name	OJ991116_04.0404.C20.o4.gs	Method	GENSCAN
Start	14215	End	15570
GI	none	Score	.48
Exons	14215..15570		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84606	Strand	-
Start	3869	End	9196
Name	OJ991116_04.0404.C20.o3.np	Method	AAT/NAP
Start	3869	End	9193
GI	7444442	Score	239
Exons	3869..3893, 5158..5319, 8591..9193		
GI Descrip.	gag/pol polyprotein - maize retrotransposon Hopscotch		

gi|531389|gb|AAA57005.1| (U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84606	Strand	-
Start	3869	End	9196
Name	OJ991116_04.0404.C20.o2.np	Method	AAT/NAP
Start	4977	End	5477
GI	130940	Score	689
Exons	4977..5477		
GI Descrip.	PATHOGENESIS-RELATED PROTEIN PRMS PRECURSOR gi|100906|pir||S14969 pathogenesis-related protein - maize gi|22454|emb|CAA38223| (X54325) pathogenesis-related protein [Zea mays]		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84606	Strand	-
Start	3869	End	9196
Name	OJ991116_04.0404.C20.o4.np	Method	AAT/NAP
Start	8430	End	9196
GI	7444451	Score	406
Exons	8430..8490, 8590..9196		
GI Descrip.	probable gag/pol polyprotein - long-staminate rice retrotransposon retrofit gi|2586082|gb|AAB82754.1| (U72725) retrofit [Oryza longistaminata]		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84607	Strand	-
Start	10016	End	13537
Name	OJ991116_04.0404.C20.o3.gs	Method	GENSCAN
Start	10016	End	13537
GI	none	Score	.43
Exons	10016..10116, 12290..13140, 13179..13537		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o2.tw	Method	TBLASTX:Wheat
Start	2108	End	2499
GI	none	Score	84
Exons	2108..2191, 2128..2181, 2277..2498, 2288..2479, 2317..2499, 2340..2498		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o2.tm	Method	TBLASTX:Maize
Start	2277	End	2558
GI	none	Score	219
Exons	2277..2558, 2289..2555		

Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o1.ts	Method	TBLASTX:Soybean
Start	4941	End	5400
GI	none	Score	415

Exons	4941..5399, 4942..5400		
Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o1.tm	Method	TBLASTX:Maize
Start	4954	End	5468
GI	none	Score	323
Exons	4954..5280, 4956..5282, 5271..5468, 5287..5460		
Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o1.tc	Method	TBLASTX:Cress
Start	4974	End	5447
GI	none	Score	126
Exons	4974..5042, 5046..5150, 5130..5204, 5190..5447, 5218..5388		
Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o1.tw	Method	TBLASTX:Wheat
Start	4977	End	5400
GI	none	Score	185
Exons	4977..5213, 4981..5211, 5214..5399, 5215..5400		
Seq. No.	40865	Seq. ID	OJ991116_04.0404.C20
Gene No.	84608	Strand	-
Start	16488	End	17148
Name	OJ991116_04.0404.C20.o5.gs	Method	GENSCAN
Start	16488	End	17148
GI	none	Score	.87
Exons	16488..16600, 17061..17148		
Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84609	Strand	+
Start	247	End	8015
Name	OJ991116_04.0404.C21.o1.gs	Method	GENSCAN
Start	247	End	7869
GI	none	Score	.49
Exons	247..328, 1165..1466, 1486..1842, 2843..3106, 3404..3622, 6093..6119, 7464..7559, 7669..7722, 7774..7869		
Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84609	Strand	+
Start	247	End	8015
Name	OJ991116_04.0404.C21.o3.np	Method	AAT/NAP
Start	2866	End	7866
GI	7485298	Score	858
Exons	2866..3106, 3404..3622, 4069..4199, 5100..5282, 7461..7563, 7602..7866		
GI Descrip.	hypothetical protein A_TM021B04.11 - Arabidopsis thaliana gi|2191197|gb|AAB61082.1| (AF007271) contains similarity to Synechococcus PCC7942 chromosomal region used as basis of neutral siteII recombinational cloning vector (PID:g1174192) [Arabidopsis thaliana]		

Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84609	Strand	+
Start	247	End	8015
Name	OJ991116_04.0404.C21.o1.gp	Method	AAT/GAP
Start	7448	End	8015
GI	39116_1.R1084	Score	864
Exons	7448..7559, 7669..8015		
GI Descrip.	'2191197 1.0e-32 (AF007271) contains similarity to Synechococcus PCC7942 chromosomal region used as basis of neutral siteII recombinational cloning vector (PID:g1174192) [Arabidopsis thaliana]'		

Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84610	Strand	-
Start	59	End	2195
Name	OJ991116_04.0404.C21.o1.np	Method	AAT/NAP
Start	59	End	2195
GI	6063554	Score	135
Exons	59..277, 1406..1616, 2160..2195		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84610	Strand	-
Start	59	End	2195
Name	OJ991116_04.0404.C21.o2.np	Method	AAT/NAP
Start	785	End	1682
GI	5852178	Score	512
Exons	785..879, 1243..1347, 1379..1682		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84611	Strand	-
Start	8617	End	8760
Name	OJ991116_04.0404.C21.o1.tm	Method	TBLASTX:Maize
Start	2911	End	5209
GI	none	Score	166
Exons	2911..2964, 2957..3109, 3035..3106, 3043..3108, 3401..3559, 3403..3618, 3457..3624, 4065..4133, 4068..4151, 4069..4155, 4069..4170, 5091..5207, 5093..5209, 5094..5207, 5099..5209		

Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84611	Strand	-
Start	8617	End	8760
Name	OJ991116_04.0404.C21.o1.tc	Method	TBLASTX:Cress
Start	2984	End	3559
GI	none	Score	119
Exons	2984..3109, 3043..3108, 3401..3559, 3403..3558		

Seq. No.	40866	Seq. ID	OJ991116_04.0404.C21
Gene No.	84611	Strand	-
Start	8617	End	8760
Name	OJ991116_04.0404.C21.o2.gs	Method	GENSCAN
Start	8617	End	8760
GI	none	Score	.65
Exons	8617..8760		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o1.np	Method	AAT/NAP
Start	1	End	1159
GI	2443320	Score	1718
Exons	1..1159		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o2.tm	Method	TBLASTX:Maize
Start	6	End	321
GI	none	Score	62
Exons	6..122, 12..110, 144..320, 163..321		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o2.tw	Method	TBLASTX:Wheat
Start	6	End	404
GI	none	Score	283
Exons	6..404, 7..402		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o1.gs	Method	GENSCAN
Start	9	End	656
GI	none	Score	.47
Exons	9..656		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o1.ts	Method	TBLASTX:Soybean
Start	12	End	506
GI	none	Score	214
Exons	12..116, 144..506		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o1.tm	Method	TBLASTX:Maize
Start	384	End	827
GI	none	Score	61
Exons	384..689, 666..827		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o1.tw	Method	TBLASTX:Wheat
Start	477	End	1158
GI	none	Score	461
Exons	477..1133, 478..1134, 513..1154, 631..1158		

Seq. No.	40867	Seq. ID	OJ991116_04.0404.C22
Gene No.	84612	Strand	-
Start	1	End	1159
Name	OJ991116_04.0404.C22.o3.tm	Method	TBLASTX:Maize
Start	837	End	1138
GI	none	Score	95
Exons	837..938, 916..1134, 953..1138		

Seq. No.	40868	Seq. ID	OJ991116_04.0404.C25
Gene No.	84613	Strand	+
Start	1032	End	1201
Name	OJ991116_04.0404.C25.o1.gs	Method	GENSCAN
Start	1032	End	1201
GI	none	Score	.8
Exons	1032..1201		

Seq. No.	40868	Seq. ID	OJ991116_04.0404.C25
Gene No.	84614	Strand	+
Start	2582	End	3069
Name	OJ991116_04.0404.C25.o1.np	Method	AAT/NAP
Start	2582	End	3069
GI	7340884	Score	97
Exons	2582..2738, 2960..3069		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	40868	Seq. ID	OJ991116_04.0404.C25
Gene No.	84615	Strand	-
Start	2847	End	3062
Name	OJ991116_04.0404.C25.o1.tm	Method	TBLASTX:Maize
Start	1406	End	2085
GI	none	Score	69
Exons	1406..1552, 1578..1727, 1792..1947, 1963..2085		

Seq. No.	40868	Seq. ID	OJ991116_04.0404.C25
Gene No.	84615	Strand	-
Start	2847	End	3062
Name	OJ991116_04.0404.C25.o2.gs	Method	GENSCAN
Start	2847	End	3062
GI	none	Score	.81
Exons	2847..3062		

Seq. No.	40869	Seq. ID	OJ991116_04.0404.C26
Gene No.	84616	Strand	+
Start	19	End	2190
Name	OJ991116_04.0404.C26.o1.gs	Method	GENSCAN
Start	19	End	2190
GI	none	Score	.76
Exons	19..122, 185..838, 1068..2190		

Seq. No.	40869	Seq. ID	OJ991116_04.0404.C26
Gene No.	84617	Strand	+
Start	3126	End	6629
Name	OJ991116_04.0404.C26.o1.np	Method	AAT/NAP
Start	3126	End	6629
GI	7488294	Score	342

Exons	3126..3179, 4518..5117, 6583..6629		
GI Descrip.	reticuline oxidase homolog F21C20.170 - Arabidopsis thaliana gi|5262222|emb|CAB45848.1| (AL080254) reticuline oxidase-like protein [Arabidopsis thaliana] gi|7268878|emb|CAB79082.1| (AL161553) reticuline oxidase-like protein [Arabidopsis thaliana]		

Seq. No.	40869	Seq. ID	OJ991116_04.0404.C26
Gene No.	84618	Strand	-
Start	4446	End	7025
Name	OJ991116_04.0404.C26.o2.np	Method	AAT/NAP
Start	3781	End	6695
GI	7451380	Score	57
Exons	3781..3804, 5122..5251, 6675..6695		
GI Descrip.	chitinase (EC 3.2.1.14) III C10923 - rice gi|2696233|dbj|BAA23812.1| (D55714) chitinase [Oryza sativa] gi|4884512|dbj|BAA77774.1| (AB027421) class III chitinase homologue (OsChib3H-b) [Oryza sativa] gi|4884514|dbj|BAA77775.1| (AB027422) class III chitinase homologue (OsChib3H-b) [Oryza sativa]		

Seq. No.	40869	Seq. ID	OJ991116_04.0404.C26
Gene No.	84618	Strand	-
Start	4446	End	7025
Name	OJ991116_04.0404.C26.o2.gs	Method	GENSCAN
Start	4446	End	7025
GI	none	Score	.88
Exons	4446..4793, 4924..5113, 5118..5676, 6980..7025		

Seq. No.	40869	Seq. ID	OJ991116_04.0404.C26
Gene No.	84618	Strand	-
Start	4446	End	7025
Name	OJ991116_04.0404.C26.o1.ts	Method	TBLASTX:Soybean
Start	4545	End	5079
GI	none	Score	130
Exons	4545..4703, 4550..4699, 4777..4857, 4906..4989, 4984..5079		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84619	Strand	+
Start	1	End	1780
Name	OJ991116_04.0404.C28.o1.np	Method	AAT/NAP
Start	1	End	1777
GI	6723416	Score	711
Exons	1..26, 958..1777		
GI Descrip.	(AL132965) putative protein [Arabidopsis thaliana]		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84619	Strand	+
Start	1	End	1780
Name	OJ991116_04.0404.C28.o1.gs	Method	GENSCAN
Start	124	End	1780
GI	none	Score	.49
Exons	124..276, 763..954, 1115..1780		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488

Name	OJ991116_04.0404.C28.o1.ts	Method	TBLASTX:Soybean
Start	969	End	1480
GI	none	Score	73
Exons	969..1085, 1085..1480, 1294..1467		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o1.tm	Method	TBLASTX:Maize
Start	975	End	1489
GI	none	Score	91
Exons	975..1085, 980..1084, 1084..1215, 1085..1489, 1300..1488		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o1.tc	Method	TBLASTX:Cress
Start	1241	End	1809
GI	none	Score	207
Exons	1241..1510, 1309..1809, 1553..1801		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o2.ts	Method	TBLASTX:Soybean
Start	1486	End	1785
GI	none	Score	258
Exons	1486..1527, 1487..1780, 1597..1779, 1714..1785		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o2.tm	Method	TBLASTX:Maize
Start	1499	End	1780
GI	none	Score	231
Exons	1499..1780, 1594..1779		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o2.gs	Method	GENSCAN
Start	3311	End	5954
GI	none	Score	.68
Exons	3311..3391, 3680..3851, 4126..4329, 4894..5086, 5153..5954		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o2.np	Method	AAT/NAP
Start	4884	End	6488
GI	2443320	Score	2035
Exons	4884..6488		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488

Name	OJ991116_04.0404.C28.o2.tw	Method	TBLASTX:Wheat
Start	5094	End	5428
GI	none	Score	213
Exons	5094..5426, 5216..5428		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o1.tw	Method	TBLASTX:Wheat
Start	5888	End	6363
GI	none	Score	266
Exons	5888..6136, 5898..6134, 5899..6168, 6157..6360, 6163..6363, 6189..6362		

Seq. No.	40870	Seq. ID	OJ991116_04.0404.C28
Gene No.	84620	Strand	+
Start	3311	End	6488
Name	OJ991116_04.0404.C28.o3.ts	Method	TBLASTX:Soybean
Start	6196	End	6486
GI	none	Score	105
Exons	6196..6330, 6355..6486		

Seq. No.	40871	Seq. ID	OJ991116_04.0404.C30
Gene No.	84621	Strand	-
Start	185	End	310
Name	OJ991116_04.0404.C30.o1.gs	Method	GENSCAN
Start	185	End	310
GI	none	Score	.55
Exons	185..310		

Seq. No.	40872	Seq. ID	OJ991116_04.0404.C31
Gene No.	84622	Strand	-
Start	608	End	784
Name	OJ991116_04.0404.C31.o1.gs	Method	GENSCAN
Start	608	End	784
GI	none	Score	.6
Exons	608..784		

Seq. No.	40873	Seq. ID	OJ991116_04.0404.C33
Gene No.	84623	Strand	-
Start	410	End	567
Name	OJ991116_04.0404.C33.o1.gs	Method	GENSCAN
Start	410	End	567
GI	none	Score	.77
Exons	410..567		

Seq. No.	40874	Seq. ID	OJ991116_04.0404.C34
Gene No.	84624	Strand	+
Start	857	End	4404
Name	OJ991116_04.0404.C34.o1.gs	Method	GENSCAN
Start	857	End	4404
GI	none	Score	.45
Exons	857..1064, 1413..1489, 1626..2777, 2858..2980, 3964..4404		

Seq. No.	40874	Seq. ID	OJ991116_04.0404.C34
Gene No.	84625	Strand	+
Start	5692	End	5834

Name	OJ991116_04.0404.C34.o1.gp	Method	AAT/GAP
Start	5692	End	5834
GI	21474_1.R1084	Score	225
Exons	5692..5834		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40874	Seq. ID	OJ991116_04.0404.C34
Gene No.	84626	Strand	-
Start	6307	End	9910
Name	OJ991116_04.0404.C34.o2.np	Method	AAT/NAP
Start	6221	End	9910
GI	4680204	Score	921
Exons	6221..6363, 6714..6932, 7027..7188, 7282..8378, 8468..9910		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40874	Seq. ID	OJ991116_04.0404.C34
Gene No.	84626	Strand	-
Start	6307	End	9910
Name	OJ991116_04.0404.C34.o2.gs	Method	GENSCAN
Start	6307	End	9775
GI	none	Score	.7
Exons	6307..6393, 6473..6571, 6666..6738, 6822..6932, 7027..7199, 7332..7953, 7993..8080, 8237..8378, 8474..8593, 8639..8916, 9037..9238, 9389..9576, 9652..9775		

Seq. No.	40874	Seq. ID	OJ991116_04.0404.C34
Gene No.	84626	Strand	-
Start	6307	End	9910
Name	OJ991116_04.0404.C34.o1.tw	Method	TBLASTX:Wheat
Start	8864	End	9267
GI	none	Score	73
Exons	8864..9034, 8865..8981, 9024..9164, 9029..9265, 9038..9265, 9157..9267		

Seq. No.	40875	Seq. ID	OJ991116_04.0404.C35
Gene No.	84627	Strand	+
Start	650	End	1094
Name	OJ991116_04.0404.C35.o1.gp	Method	AAT/GAP
Start	650	End	1094
GI	LIB3431-028-P1-N1-A10	Score	758
Exons	650..720, 748..1094		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	40875	Seq. ID	OJ991116_04.0404.C35
Gene No.	84628	Strand	-
Start	1	End	1910
Name	OJ991116_04.0404.C35.o2.gp	Method	AAT/GAP
Start	1	End	1910
GI	342_1.R1084	Score	3080
Exons	1..1910		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40875	Seq. ID	OJ991116_04.0404.C35
Gene No.	84628	Strand	-

Start	1	End	1910
Name	OJ991116_04.0404.C35.o1.gs	Method	GENSCAN
Start	713	End	1771
GI	none	Score	.53
Exons	713..1771		

Seq. No.	40875	Seq. ID	OJ991116_04.0404.C35
Gene No.	84628	Strand	-
Start	1	End	1910
Name	OJ991116_04.0404.C35.o1.tw	Method	TBLASTX:Wheat
Start	788	End	1906
GI	none	Score	50
Exons	788..880, 789..854, 869..949, 880..927, 962..1075, 963..1076, 1050..1145, 1082..1141, 1148..1192, 1153..1194, 1187..1906, 1202..1519, 1404..1898, 1639..1902		

Seq. No.	40875	Seq. ID	OJ991116_04.0404.C35
Gene No.	84628	Strand	-
Start	1	End	1910
Name	OJ991116_04.0404.C35.o1.np	Method	AAT/NAP
Start	1272	End	1910
GI	6742729	Score	959
Exons	1272..1910		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	40875	Seq. ID	OJ991116_04.0404.C35
Gene No.	84628	Strand	-
Start	1	End	1910
Name	OJ991116_04.0404.C35.o1.tc	Method	TBLASTX:Cress
Start	1369	End	1821
GI	none	Score	75
Exons	1369..1620, 1391..1813, 1394..1519, 1395..1817, 1404..1817, 1639..1821		

Seq. No.	40876	Seq. ID	OJ991116_04.0404.C37
Gene No.	84629	Strand	+
Start	1	End	1075
Name	OJ991116_04.0404.C37.o1.gp	Method	AAT/GAP
Start	1	End	1075
GI	342_1.R1084	Score	1865
Exons	1..1075		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	40876	Seq. ID	OJ991116_04.0404.C37
Gene No.	84629	Strand	+
Start	1	End	1075
Name	OJ991116_04.0404.C37.o1.np	Method	AAT/NAP
Start	1	End	850
GI	6742729	Score	1309
Exons	1..850		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	40876	Seq. ID	OJ991116_04.0404.C37
Gene No.	84629	Strand	+
Start	1	End	1075
Name	OJ991116_04.0404.C37.o1.tw	Method	TBLASTX:Wheat

Start	18	End	1072
GI	none	Score	151
Exons	18..275, 19..276, 20..253, 21..281, 274..483, 275..919, 276..437, 278..742, 483..935, 603..920, 930..974, 934..969, 951..974, 977..1072, 981..1040, 1019..1072, 1020..1070		

Seq. No.	40876	Seq. ID	OJ991116_04.0404.C37
Gene No.	84629	Strand	+
Start	1	End	1075
Name	OJ991116_04.0404.C37.o1.tm	Method	TBLASTX:Maize
Start	61	End	374
GI	none	Score	203
Exons	61..276, 72..308, 276..374		

Seq. No.	40876	Seq. ID	OJ991116_04.0404.C37
Gene No.	84629	Strand	+
Start	1	End	1075
Name	OJ991116_04.0404.C37.o1.tc	Method	TBLASTX:Cress
Start	305	End	753
GI	none	Score	169
Exons	305..748, 309..437, 343..462, 483..752, 502..753, 603..752		

Seq. No.	40877	Seq. ID	OJ991216_01.0403.C3
Gene No.	84630	Strand	+
Start	1051	End	2384
Name	OJ991216_01.0403.C3.o1.gs	Method	GENSCAN
Start	1051	End	2384
GI	none	Score	.64
Exons	1051..1466, 1480..1850, 1960..2384		

Seq. No.	40877	Seq. ID	OJ991216_01.0403.C3
Gene No.	84630	Strand	+
Start	1051	End	2384
Name	OJ991216_01.0403.C3.o1.np	Method	AAT/NAP
Start	1057	End	2381
GI	5042418	Score	278
Exons	1057..2381		
GI Descrip.	(AC006193) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	40877	Seq. ID	OJ991216_01.0403.C3
Gene No.	84631	Strand	-
Start	2967	End	5066
Name	OJ991216_01.0403.C3.o1.ts	Method	TBLASTX:Soybean
Start	1312	End	2402
GI	none	Score	111
Exons	1312..1410, 1411..1476, 1502..1609, 1643..1822, 1660..1821, 1835..1957, 1995..2210, 1997..2176, 2279..2374, 2280..2402		

Seq. No.	40877	Seq. ID	OJ991216_01.0403.C3
Gene No.	84631	Strand	-
Start	2967	End	5066
Name	OJ991216_01.0403.C3.o1.tm	Method	TBLASTX:Maize
Start	1529	End	1957
GI	none	Score	69
Exons	1529..1609, 1604..1789, 1642..1782, 1873..1947, 1874..1957		

Seq. No.	40877	Seq. ID	OJ991216_01.0403.C3

Gene No.	84631	Strand	-
Start	2967	End	5066
Name	OJ991216_01.0403.C3.o2.gs	Method	GENSCAN
Start	2967	End	5066
GI	none	Score	.84
Exons	2967..2992, 3359..3545, 3618..3749, 3990..4120, 4901..5066		

Seq. No.	40878	Seq. ID	OJ991216_01.0403.C4
Gene No.	84632	Strand	-
Start	1892	End	3197
Name	OJ991216_01.0403.C4.o1.ts	Method	TBLASTX:Soybean
Start	707	End	1044
GI	none	Score	137
Exons	707..832, 732..848, 733..834, 855..926, 856..927, 881..928, 917..1039, 920..1039, 925..1044, 928..1041		

Seq. No.	40878	Seq. ID	OJ991216_01.0403.C4
Gene No.	84632	Strand	-
Start	1892	End	3197
Name	OJ991216_01.0403.C4.o1.tm	Method	TBLASTX:Maize
Start	732	End	953
GI	none	Score	158
Exons	732..833, 733..834, 820..927, 843..926, 846..941, 881..928, 921..947, 922..948, 924..953		

Seq. No.	40878	Seq. ID	OJ991216_01.0403.C4
Gene No.	84632	Strand	-
Start	1892	End	3197
Name	OJ991216_01.0403.C4.o1.tc	Method	TBLASTX:Cress
Start	855	End	1041
GI	none	Score	81
Exons	855..926, 856..927, 881..928, 922..1041, 923..1039		

Seq. No.	40878	Seq. ID	OJ991216_01.0403.C4
Gene No.	84632	Strand	-
Start	1892	End	3197
Name	OJ991216_01.0403.C4.o1.np	Method	AAT/NAP
Start	1892	End	3197
GI	6815099	Score	85
Exons	1892..2007, 3176..3197		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	40879	Seq. ID	OJ991216_01.0403.C5
Gene No.	84633	Strand	-
Start	27	End	1110
Name	OJ991216_01.0403.C5.o1.gs	Method	GENSCAN
Start	27	End	1110
GI	none	Score	.9
Exons	27..150, 1034..1110		

Seq. No.	40879	Seq. ID	OJ991216_01.0403.C5
Gene No.	84633	Strand	-
Start	27	End	1110
Name	OJ991216_01.0403.C5.o1.gp	Method	AAT/GAP
Start	498	End	744
GI	52217_1.R1084	Score	415
Exons	498..744		

GI Descrip.	'3688528/emb|CAA06243.1| 1.0e-14 (AJ004958) pre-pro-TPE4A protein [Pisum sativum]'		
Seq. No.	40880	Seq. ID	OJ991216_01.0403.C6
Gene No.	84634	Strand	-
Start	224	End	1114
Name	OJ991216_01.0403.C6.o1.gs	Method	GENSCAN
Start	224	End	1114
GI	none	Score	.55
Exons	224..1114		
Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84635	Strand	+
Start	9965	End	11914
Name	OJ991216_01.0403.C9.o3.np	Method	AAT/NAP
Start	9965	End	11914
GI	5803259	Score	2603
Exons	9965..11226, 11326..11914		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84635	Strand	+
Start	9965	End	11914
Name	OJ991216_01.0403.C9.o4.gs	Method	GENSCAN
Start	9965	End	11750
GI	none	Score	.96
Exons	9965..11226, 11326..11750		
Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o2.gs	Method	GENSCAN
Start	2061	End	5726
GI	none	Score	1
Exons	2061..5726		
Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o1.np	Method	AAT/NAP
Start	2064	End	8215
GI	7228457	Score	9280
Exons	2064..3614, 3681..4832, 4955..5789, 5853..7787, 7849..8215		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		
Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o5.tm	Method	TBLASTX:Maize
Start	2064	End	2204
GI	none	Score	121
Exons	2064..2204, 2065..2199		
Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-

Start	2061	End	11914
Name	OJ991216_01.0403.C9.o7.tw	Method	TBLASTX:Wheat
Start	2073	End	2675
GI	none	Score	75
Exons	2073..2198, 2077..2199, 2384..2674, 2385..2675, 2392..2670		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o3.tw	Method	TBLASTX:Wheat
Start	2676	End	3057
GI	none	Score	171
Exons	2676..3056, 2707..2955, 3001..3057		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o3.tm	Method	TBLASTX:Maize
Start	2832	End	3185
GI	none	Score	192
Exons	2832..2879, 2871..3185, 2884..3150		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o8.tw	Method	TBLASTX:Wheat
Start	3387	End	3708
GI	none	Score	70
Exons	3387..3647, 3601..3708		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o1.tw	Method	TBLASTX:Wheat
Start	3736	End	5781
GI	none	Score	382
Exons	3736..3783, 5319..5780, 5326..5781		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o6.tw	Method	TBLASTX:Wheat
Start	3786	End	4160
GI	none	Score	39
Exons	3786..3851, 3787..3840, 3898..4071, 3912..4160, 3912..4136		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o1.ts	Method	TBLASTX:Soybean
Start	4761	End	5132
GI	none	Score	90
Exons	4761..5132, 4972..5115		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914

Name	OJ991216_01.0403.C9.o2.tw	Method	TBLASTX:Wheat
Start	4786	End	5211
GI	none	Score	317
Exons	4786..5211, 4791..5210		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o2.tm	Method	TBLASTX:Maize
Start	4884	End	5268
GI	none	Score	226
Exons	4884..5267, 4903..5268		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o1.tm	Method	TBLASTX:Maize
Start	5295	End	5651
GI	none	Score	69
Exons	5295..5411, 5295..5651, 5305..5616		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o2.ts	Method	TBLASTX:Soybean
Start	5376	End	5741
GI	none	Score	117
Exons	5376..5510, 5517..5741		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o3.gs	Method	GENSCAN
Start	5790	End	8876
GI	none	Score	.57
Exons	5790..6292, 6340..7133, 7187..7281, 7406..8233, 8730..8876		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o4.tw	Method	TBLASTX:Wheat
Start	5973	End	6431
GI	none	Score	175
Exons	5973..6296, 5977..6237, 6299..6430, 6300..6431		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o5.tw	Method	TBLASTX:Wheat
Start	7169	End	7561
GI	none	Score	95
Exons	7169..7426, 7203..7442, 7409..7507, 7410..7502, 7514..7561		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o4.tm	Method	TBLASTX:Maize

Start	7271	End	7556
GI	none	Score	107
Exons	7271..7519, 7272..7556		

Seq. No.	40881	Seq. ID	OJ991216_01.0403.C9
Gene No.	84636	Strand	-
Start	2061	End	11914
Name	OJ991216_01.0403.C9.o2.np	Method	AAT/NAP
Start	8446	End	11914
GI	5042454	Score	343
Exons	8446..8499, 8730..8902, 9581..9737, 10959..11161, 11735..11834, 11885..11914		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40882	Seq. ID	OJ991216_01.0403.C10
Gene No.	84637	Strand	+
Start	1	End	3268
Name	OJ991216_01.0403.C10.o1.np	Method	AAT/NAP
Start	1	End	3268
GI	127749	Score	94
Exons	1..48, 2483..2628, 3023..3268		
GI Descrip.	MYOSIN IC HEAVY CHAIN gi|71609|pir||MWAXIC myosin heavy chain IC - Acanthamoeba castellanii gi|155625 (J02974) myosin IB heavy chain [Acanthamoeba castellanii]		

Seq. No.	40882	Seq. ID	OJ991216_01.0403.C10
Gene No.	84638	Strand	-
Start	1477	End	5038
Name	OJ991216_01.0403.C10.o1.gs	Method	GENSCAN
Start	1477	End	5038
GI	none	Score	.91
Exons	1477..1597, 2553..2635, 2729..3032, 3203..3348, 4904..5038		

Seq. No.	40883	Seq. ID	OJ991216_01.0403.C11
Gene No.	84639	Strand	+
Start	58	End	2897
Name	OJ991216_01.0403.C11.o1.gs	Method	GENSCAN
Start	58	End	2897
GI	none	Score	.62
Exons	58..208, 559..605, 2834..2897		

Seq. No.	40883	Seq. ID	OJ991216_01.0403.C11
Gene No.	84640	Strand	-
Start	1	End	6355
Name	OJ991216_01.0403.C11.o1.np	Method	AAT/NAP
Start	1	End	6355
GI	4680204	Score	61
Exons	1..60, 355..452, 4241..4365, 4507..4570, 6279..6355		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	40883	Seq. ID	OJ991216_01.0403.C11
Gene No.	84641	Strand	-
Start	6613	End	8267
Name	OJ991216_01.0403.C11.o3.gs	Method	GENSCAN
Start	6613	End	8267
GI	none	Score	.81
Exons	6613..6798, 7052..7130, 7218..7328, 7744..8135, 8140..8267		

Seq. No.	40884	Seq. ID	OJ991216_01.0403.C12
Gene No.	84642	Strand	-
Start	94	End	1444
Name	OJ991216_01.0403.C12.o1.gs	Method	GENSCAN
Start	94	End	1444
GI	none	Score	.94
Exons	94..801, 887..1138, 1400..1444		

Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o1.np	Method	AAT/NAP
Start	1	End	4202
GI	4680203	Score	1505
Exons	1..20, 269..1023, 1300..1527, 1687..1791, 1861..3415, 4161..4202		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o1.tw	Method	TBLASTX:Wheat
Start	212	End	1416
GI	none	Score	78
Exons	212..271, 283..387, 290..382, 400..504, 418..474, 493..648, 509..682, 703..1416, 887..1363		

Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o3.tm	Method	TBLASTX:Maize
Start	512	End	807
GI	none	Score	81
Exons	512..625, 514..633, 637..807		

Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o1.tc	Method	TBLASTX:Cress
Start	703	End	1126
GI	none	Score	118
Exons	703..1125, 887..1126		

Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o1.tm	Method	TBLASTX:Maize
Start	1057	End	1440
GI	none	Score	298
Exons	1057..1371, 1061..1372, 1372..1440		

Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o3.tw	Method	TBLASTX:Wheat
Start	2045	End	2388
GI	none	Score	38

Exons	2045..2095, 2056..2094, 2104..2202, 2128..2190, 2252..2344, 2263..2346, 2356..2388		
Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o2.tc	Method	TBLASTX:Cress
Start	2296	End	2649
GI	none	Score	84
Exons	2296..2649, 2351..2554, 2392..2562		
Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o2.tm	Method	TBLASTX:Maize
Start	2317	End	2554
GI	none	Score	128
Exons	2317..2520, 2317..2523, 2333..2554		
Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o2.tw	Method	TBLASTX:Wheat
Start	2392	End	2976
GI	none	Score	68
Exons	2392..2520, 2511..2612, 2512..2631, 2518..2637, 2531..2635, 2666..2920, 2681..2770, 2686..2976		
Seq. No.	40885	Seq. ID	OJ991216_01.0403.C13
Gene No.	84643	Strand	-
Start	1	End	4202
Name	OJ991216_01.0403.C13.o1.ts	Method	TBLASTX:Soybean
Start	2681	End	2964
GI	none	Score	103
Exons	2681..2941, 2686..2964		
Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84644	Strand	+
Start	839	End	6828
Name	OJ991216_01.0403.C14.o1.gs	Method	GENSCAN
Start	839	End	3312
GI	none	Score	.65
Exons	839..947, 1730..3312		
Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84644	Strand	+
Start	839	End	6828
Name	OJ991216_01.0403.C14.o1.np	Method	AAT/NAP
Start	1783	End	6828
GI	4689223	Score	697
Exons	1783..2354, 2532..4422, 6802..6828		
GI Descrip.	(AF118127) disease resistance protein I2 [Lycopersicon esculentum]		
Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84644	Strand	+
Start	839	End	6828

Name	OJ991216_01.0403.C14.o2.gs	Method	GENSCAN
Start	4489	End	5085
GI	none	Score	.63
Exons	4489..4710, 4885..5085		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84645	Strand	-
Start	5503	End	10046
Name	OJ991216_01.0403.C14.o3.np	Method	AAT/NAP
Start	5503	End	10046
GI	7485231	Score	420
Exons	5503..5545, 7453..8455, 8486..8682, 9961..10046		
GI Descrip.	hypothetical protein A_IG002N01.30 - Arabidopsis thaliana (fragment) gi|2191151|gb|AAB61038.1| (AF007269) contains similarity to membrane associated salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84645	Strand	-
Start	5503	End	10046
Name	OJ991216_01.0403.C14.o3.gs	Method	GENSCAN
Start	7405	End	8913
GI	none	Score	1
Exons	7405..8913		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84646	Strand	-
Start	9965	End	10327
Name	OJ991216_01.0403.C14.o4.gs	Method	GENSCAN
Start	9965	End	10327
GI	none	Score	.51
Exons	9965..10327		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84647	Strand	-
Start	11679	End	13262
Name	OJ991216_01.0403.C14.o2.tm	Method	TBLASTX:Maize
Start	3055	End	3392
GI	none	Score	208
Exons	3055..3351, 3063..3392		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84647	Strand	-
Start	11679	End	13262
Name	OJ991216_01.0403.C14.o1.ts	Method	TBLASTX:Soybean
Start	3076	End	4197
GI	none	Score	228
Exons	3076..3384, 3460..3525, 3697..3864, 3979..4197		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84647	Strand	-
Start	11679	End	13262
Name	OJ991216_01.0403.C14.o1.tm	Method	TBLASTX:Maize
Start	7768	End	7971
GI	none	Score	114
Exons	7768..7926, 7768..7971, 7793..7930		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84647	Strand	-
Start	11679	End	13262
Name	OJ991216_01.0403.C14.o2.ts	Method	TBLASTX:Soybean
Start	7768	End	7971
GI	none	Score	93
Exons	7768..7971, 7793..7930		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84647	Strand	-
Start	11679	End	13262
Name	OJ991216_01.0403.C14.o1.tc	Method	TBLASTX:Cress
Start	7774	End	7971
GI	none	Score	83
Exons	7774..7971, 7789..7953		

Seq. No.	40886	Seq. ID	OJ991216_01.0403.C14
Gene No.	84647	Strand	-
Start	11679	End	13262
Name	OJ991216_01.0403.C14.o5.gs	Method	GENSCAN
Start	11679	End	13262
GI	none	Score	.77
Exons	11679..11688, 11899..12246, 13063..13262		

Seq. No.	40887	Seq. ID	OJ991216_01.0403.C15
Gene No.	84648	Strand	+
Start	1	End	1532
Name	OJ991216_01.0403.C15.o1.np	Method	AAT/NAP
Start	1	End	1532
GI	7228442	Score	960
Exons	1..333, 430..1532		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog. (AC003981) [Oryza sativa]		

Seq. No.	40887	Seq. ID	OJ991216_01.0403.C15
Gene No.	84648	Strand	+
Start	1	End	1532
Name	OJ991216_01.0403.C15.o1.tm	Method	TBLASTX:Maize
Start	870	End	1452
GI	none	Score	126
Exons	870..992, 871..1023, 1023..1328, 1024..1332, 1372..1452, 1374..1400		

Seq. No.	40887	Seq. ID	OJ991216_01.0403.C15
Gene No.	84648	Strand	+
Start	1	End	1532
Name	OJ991216_01.0403.C15.o1.tw	Method	TBLASTX:Wheat
Start	1161	End	1521
GI	none	Score	196
Exons	1161..1310, 1162..1338, 1162..1311, 1351..1521, 1359..1406, 1363..1452, 1385..1468		

Seq. No.	40888	Seq. ID	OJ991216_01.0403.C16
Gene No.	84649	Strand	+
Start	64	End	6216
Name	OJ991216_01.0403.C16.o1.gs	Method	GENSCAN

Start	64	End	6216
GI	none	Score	.58
Exons	64..681, 774..1072, 1164..1431, 1686..1965, 1983..2063, 2100..2220, 3819..3845, 4790..4836, 6097..6216		

Seq. No.	40888	Seq. ID	OJ991216_01.0403.C16
Gene No.	84649	Strand	+
Start	64	End	6216
Name	OJ991216_01.0403.C16.o1.np	Method	AAT/NAP
Start	215	End	3312
GI	7228438	Score	510
Exons	215..681, 774..1080, 1178..1397, 3294..3312		
GI Descrip.	(AP001366) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein isolog (AC003981) [Oryza sativa]		

Seq. No.	40888	Seq. ID	OJ991216_01.0403.C16
Gene No.	84650	Strand	-
Start	3885	End	4349
Name	OJ991216_01.0403.C16.o2.np	Method	AAT/NAP
Start	3885	End	4349
GI	7446371	Score	65
Exons	3885..3959, 4171..4219, 4270..4349		
GI Descrip.	probable serine/threonine kinase (EC 2.7.1.-) SNFL1 - sorghum gi|2632252|emb|CAA73067.1| (Y12464) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	40889	Seq. ID	OJ991216_01.0403.C19
Gene No.	84651	Strand	+
Start	1	End	2468
Name	OJ991216_01.0403.C19.o1.np	Method	AAT/NAP
Start	1	End	2468
GI	7485444	Score	421
Exons	1..197, 911..986, 1310..1435, 1680..1778, 2202..2327, 2420..2468		
GI Descrip.	hypothetical protein F13M23.110 - Arabidopsis thaliana gi|4455240|emb|CAB36739.1| (AL035523) putative protein [Arabidopsis thaliana] gi|7269347|emb|CAB79406.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	40889	Seq. ID	OJ991216_01.0403.C19
Gene No.	84651	Strand	+
Start	1	End	2468
Name	OJ991216_01.0403.C19.o1.tm	Method	TBLASTX:Maize
Start	110	End	1935
GI	none	Score	119
Exons	110..196, 114..197, 907..981, 909..995, 909..986, 1308..1454, 1310..1495, 1310..1519, 1311..1505, 1672..1776, 1677..1778, 1677..1808, 1866..1928, 1870..1935, 1874..1927		

Seq. No.	40889	Seq. ID	OJ991216_01.0403.C19
Gene No.	84651	Strand	+
Start	1	End	2468
Name	OJ991216_01.0403.C19.o1.gs	Method	GENSCAN
Start	930	End	2312
GI	none	Score	.65
Exons	930..986, 1310..1435, 1680..1778, 2157..2312		

Seq. No.	40889	Seq. ID	OJ991216_01.0403.C19
Gene No.	84651	Strand	+
Start	1	End	2468
Name	OJ991216_01.0403.C19.o2.tm	Method	TBLASTX:Maize
Start	2186	End	2363
GI	none	Score	191
Exons	2186..2353, 2196..2363, 2205..2354		

Seq. No.	40890	Seq. ID	OJ991216_01.0403.C20
Gene No.	84652	Strand	+
Start	1	End	1054
Name	OJ991216_01.0403.C20.o1.np	Method	AAT/NAP
Start	1	End	489
GI	7485444	Score	197
Exons	1..93, 178..289, 433..489		
GI Descrip.	hypothetical protein F13M23.110 - Arabidopsis thaliana gi|4455240|emb|CAB36739.1| (AL035523) putative protein [Arabidopsis thaliana] gi|7269347|emb|CAB79406.1| (AL161562) putative protein [Arabidopsis thaliana]		

Seq. No.	40890	Seq. ID	OJ991216_01.0403.C20
Gene No.	84652	Strand	+
Start	1	End	1054
Name	OJ991216_01.0403.C20.o1.tm	Method	TBLASTX:Maize
Start	31	End	294
GI	none	Score	97
Exons	31..96, 41..94, 41..103, 42..95, 152..223, 177..227, 215..283, 217..294		

Seq. No.	40890	Seq. ID	OJ991216_01.0403.C20
Gene No.	84652	Strand	+
Start	1	End	1054
Name	OJ991216_01.0403.C20.o1.gs	Method	GENSCAN
Start	154	End	1054
GI	none	Score	.85
Exons	154..289, 433..497, 1017..1054		

Seq. No.	40891	Seq. ID	OJ991216_01.0403.C21
Gene No.	84653	Strand	+
Start	630	End	2107
Name	OJ991216_01.0403.C21.o1.tm	Method	TBLASTX:Maize
Start	611	End	923
GI	none	Score	146
Exons	611..697, 627..752, 649..753, 840..923, 841..906, 843..917		

Seq. No.	40891	Seq. ID	OJ991216_01.0403.C21
Gene No.	84653	Strand	+
Start	630	End	2107
Name	OJ991216_01.0403.C21.o1.gs	Method	GENSCAN
Start	630	End	2107
GI	none	Score	.88
Exons	630..752, 1078..1140, 1970..2107		

Seq. No.	40891	Seq. ID	OJ991216_01.0403.C21
Gene No.	84653	Strand	+
Start	630	End	2107
Name	OJ991216_01.0403.C21.o1.gp	Method	AAT/GAP

Start	678	End	1254
GI	none	Score	909
Exons	678..752, 844..1254		

Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84654	Strand	+
Start	44	End	309
Name	OJ991216_01.0403.C22.o1.gs	Method	GENSCAN
Start	44	End	309
GI	none	Score	.82
Exons	44..157, 268..309		

Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84655	Strand	+
Start	2974	End	3052
Name	OJ991216_01.0403.C22.o2.np	Method	AAT/NAP
Start	2974	End	3052
GI	6630699	Score	91
Exons	2974..3052		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84656	Strand	+
Start	3835	End	10608
Name	OJ991216_01.0403.C22.o4.gs	Method	GENSCAN
Start	3835	End	9629
GI	none	Score	.68
Exons	3835..4075, 4500..4652, 5304..5375, 7514..7566, 7769..8060, 8383..8540, 8947..9065, 9548..9629		

Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84656	Strand	+
Start	3835	End	10608
Name	OJ991216_01.0403.C22.o2.gp	Method	AAT/GAP
Start	5745	End	6053
GI	72524_1.R1084	Score	404
Exons	5745..6053		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84656	Strand	+
Start	3835	End	10608
Name	OJ991216_01.0403.C22.o4.np	Method	AAT/NAP
Start	8998	End	10608
GI	7363272	Score	652
Exons	8998..9065, 9810..10219, 10249..10419, 10479..10608		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84657	Strand	-
Start	1238	End	5792
Name	OJ991216_01.0403.C22.o2.gs	Method	GENSCAN
Start	1238	End	2644
GI	none	Score	.64

Exons	1238..1392, 2416..2644		
Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84657	Strand	-
Start	1238	End	5792
Name	OJ991216_01.0403.C22.o1.np	Method	AAT/NAP
Start	1742	End	4438
GI	6498436	Score	310
Exons	1742..1821, 2301..2658, 4399..4438		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84657	Strand	-
Start	1238	End	5792
Name	OJ991216_01.0403.C22.o3.gs	Method	GENSCAN
Start	3189	End	3458
GI	none	Score	.98
Exons	3189..3458		
Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84657	Strand	-
Start	1238	End	5792
Name	OJ991216_01.0403.C22.o3.np	Method	AAT/NAP
Start	3970	End	5792
GI	7106512	Score	68
Exons	3970..4036, 5607..5659, 5732..5792		
GI Descrip.	(AP001278) EST C98429(E0138) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	40892	Seq. ID	OJ991216_01.0403.C22
Gene No.	84658	Strand	-
Start	9783	End	10561
Name	OJ991216_01.0403.C22.o5.gs	Method	GENSCAN
Start	9783	End	10561
GI	none	Score	.75
Exons	9783..9868, 9957..10268, 10361..10561		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84659	Strand	+
Start	1	End	6189
Name	OJ991216_01.0403.C23.o1.np	Method	AAT/NAP
Start	1	End	5307
GI	5295971	Score	3634
Exons	1..128, 1099..2007, 2035..5307		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84659	Strand	+
Start	1	End	6189
Name	OJ991216_01.0403.C23.o1.gs	Method	GENSCAN
Start	393	End	6189
GI	none	Score	.91
Exons	393..537, 919..5275, 5870..6052, 6104..6189		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23

Gene No.	84660	Strand	+
Start	9122	End	9271
Name	OJ991216_01.0403.C23.o1.gp	Method	AAT/GAP
Start	9122	End	9271
GI	uC-osflcyp177g01a1	Score	239
Exons	9122..9271		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84661	Strand	+
Start	10280	End	13535
Name	OJ991216_01.0403.C23.o2.gs	Method	GENSCAN
Start	10280	End	13535
GI	none	Score	.63
Exons	10280..10311, 10433..11468, 11688..12315, 12390..12577, 12653..12842, 12910..13014, 13087..13535		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84661	Strand	+
Start	10280	End	13535
Name	OJ991216_01.0403.C23.o2.np	Method	AAT/NAP
Start	10584	End	13532
GI	6691716	Score	2374
Exons	10584..11454, 11653..11842, 11924..12215, 12383..12577, 12653..12752, 12898..13014, 13087..13532		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84662	Strand	+
Start	22732	End	22868
Name	OJ991216_01.0403.C23.o2.gp	Method	AAT/GAP
Start	22691	End	22868
GI	385_2.R1084	Score	342
Exons	22691..22868		
GI Descrip.	'1706260/sp|Q10716|CYS1_MAIZE 1.0e-159 CYSTEINE PROTEINASE 1 PRECURSOR >gi_2118131_pir__S59597 cysteine proteinase 1 precursor - maize >gi_643597_dbj_BAA08244_ (D45402) cysteine proteinase [Zea mays]'		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84662	Strand	+
Start	22732	End	22868
Name	OJ991216_01.0403.C23.o4.gs	Method	GENSCAN
Start	22732	End	22851
GI	none	Score	.86
Exons	22732..22851		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o13.tw	Method	TBLASTX:Wheat
Start	1258	End	1608
GI	none	Score	201
Exons	1258..1608		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o11.tm	Method	TBLASTX:Maize
Start	1332	End	1659
GI	none	Score	210
Exons	1332..1658, 1333..1659		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o7.tm	Method	TBLASTX:Maize
Start	2089	End	2559
GI	none	Score	48
Exons	2089..2175, 2151..2558, 2152..2370, 2161..2559, 2404..2559		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o8.tw	Method	TBLASTX:Wheat
Start	2173	End	2613
GI	none	Score	298
Exons	2173..2538, 2187..2453, 2539..2613		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o7.ts	Method	TBLASTX:Soybean
Start	2563	End	2892
GI	none	Score	202
Exons	2563..2892		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o3.tm	Method	TBLASTX:Maize
Start	2901	End	14519
GI	none	Score	400
Exons	2901..3125, 2905..3246, 2920..3189, 3168..3236, 3259..3330, 14334..14519		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o3.ts	Method	TBLASTX:Soybean
Start	2932	End	3411
GI	none	Score	386
Exons	2932..3378, 2937..3227, 3223..3411		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o2.tc	Method	TBLASTX:Cress
Start	2947	End	3384
GI	none	Score	258
Exons	2947..3384		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o5.tw	Method	TBLASTX:Wheat
Start	2959	End	14477
GI	none	Score	66
Exons	2959..3072, 13863..14000, 13986..14144, 14096..14161, 14199..14477, 14215..14316, 14368..14457		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o1.ts	Method	TBLASTX:Soybean
Start	3727	End	4251
GI	5509260	Score	457
Exons	3727..4251, 3846..4235		
GI Descrip.	-		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o4.tm	Method	TBLASTX:Maize
Start	3793	End	4113
GI	none	Score	416
Exons	3793..4113, 3852..4112		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o3.tc	Method	TBLASTX:Cress
Start	3891	End	4152
GI	none	Score	241
Exons	3891..4118, 3892..4152		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o6.tw	Method	TBLASTX:Wheat
Start	3933	End	4482
GI	none	Score	295
Exons	3933..4064, 3934..4278, 4089..4196, 4264..4482		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o8.tm	Method	TBLASTX:Maize
Start	4315	End	4578
GI	none	Score	293
Exons	4315..4578, 4398..4577		

Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o14.tw	Method	TBLASTX:Wheat
Start	4492	End	4773
GI	none	Score	62

Exons	4492..4596, 4621..4773		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o1.tm	Method	TBLASTX:Maize
Start	4582	End	5031
GI	none	Score	268
Exons	4582..4818, 4590..4781, 4805..5011, 4816..5031, 4875..5030		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o1.tc	Method	TBLASTX:Cress
Start	4621	End	5280
GI	none	Score	147
Exons	4621..4803, 4810..4914, 4912..5025, 5062..5280, 5065..5259, 5070..5276		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o2.ts	Method	TBLASTX:Soybean
Start	4642	End	5283
GI	none	Score	454
Exons	4642..5283, 4896..5228		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o11.tw	Method	TBLASTX:Wheat
Start	4825	End	5250
GI	none	Score	161
Exons	4825..5034, 4914..5033, 5070..5243, 5071..5250		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o10.tm	Method	TBLASTX:Maize
Start	5043	End	5279
GI	none	Score	232
Exons	5043..5279, 5047..5277		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o12.tw	Method	TBLASTX:Wheat
Start	10704	End	10994
GI	none	Score	217
Exons	10704..10994		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o3.gs	Method	GENSCAN
Start	13851	End	19946
GI	none	Score	.87

Exons	13851..16004, 16029..16932, 17029..19946		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o3.np	Method	AAT/NAP
Start	13887	End	19946
GI	5922631	Score	6674
Exons	13887..16414, 17021..17944, 18071..18222, 18265..18836, 18882..19084, 19319..19563, 19822..19946		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o9.tm	Method	TBLASTX:Maize
Start	13902	End	14135
GI	none	Score	101
Exons	13902..14003, 13903..14004, 13983..14135, 13984..14043		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o3.tw	Method	TBLASTX:Wheat
Start	14592	End	14979
GI	none	Score	108
Exons	14592..14783, 14592..14978, 14668..14979		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o2.tm	Method	TBLASTX:Maize
Start	14622	End	14985
GI	none	Score	67
Exons	14622..14669, 14623..14670, 14641..14964, 14661..14984, 14674..14985		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o15.tw	Method	TBLASTX:Wheat
Start	14982	End	15281
GI	none	Score	129
Exons	14982..15122, 15147..15281		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o12.tm	Method	TBLASTX:Maize
Start	15213	End	15467
GI	none	Score	193

Exons	15213..15467		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o4.tw	Method	TBLASTX:Wheat
Start	15297	End	15719
GI	none	Score	272
Exons	15297..15719, 15307..15711		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o5.ts	Method	TBLASTX:Soybean
Start	15340	End	15728
GI	none	Score	163
Exons	15340..15720, 15342..15584, 15624..15728		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o10.tw	Method	TBLASTX:Wheat
Start	15720	End	16005
GI	none	Score	97
Exons	15720..15995, 15723..16004, 15928..16005		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o5.tm	Method	TBLASTX:Maize
Start	15843	End	16287
GI	none	Score	94
Exons	15843..15869, 15867..16010, 15880..16011, 16032..16286, 16033..16287		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o4.ts	Method	TBLASTX:Soybean
Start	15954	End	16355
GI	none	Score	47
Exons	15954..16355, 15988..16158, 16195..16338		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o2.tw	Method	TBLASTX:Wheat
Start	16009	End	16433
GI	none	Score	299
Exons	16009..16389, 16009..16368, 16014..16433		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o6.tm	Method	TBLASTX:Maize
Start	16518	End	16874
GI	none	Score	214

Exons	16518..16874, 16528..16833		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o1.tw	Method	TBLASTX:Wheat
Start	16548	End	17004
GI	none	Score	268
Exons	16548..17003, 16549..17004		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o6.ts	Method	TBLASTX:Soybean
Start	16599	End	16964
GI	none	Score	138
Exons	16599..16733, 16740..16964		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o7.tw	Method	TBLASTX:Wheat
Start	17224	End	17681
GI	none	Score	154
Exons	17224..17460, 17226..17456, 17505..17681		
Seq. No.	40893	Seq. ID	OJ991216_01.0403.C23
Gene No.	84663	Strand	-
Start	13851	End	19946
Name	OJ991216_01.0403.C23.o9.tw	Method	TBLASTX:Wheat
Start	18258	End	18660
GI	none	Score	57
Exons	18258..18659, 18607..18660		
Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84664	Strand	+
Start	1	End	2144
Name	OJ991216_01.0403.C24.o1.gp	Method	AAT/GAP
Start	1	End	2144
GI	385_2.R1084	Score	1885
Exons	1..83, 193..312, 1255..1498, 1581..2144		
GI Descrip.	'1706260/sp|Q10716|CYS1_MAIZE 1.0e-159 CYSTEINE PROTEINASE 1 PRECURSOR >gi_2118131_pir__S59597 cysteine proteinase 1 precursor - maize >gi_643597_dbj_BAA08244_ (D45402) cysteine proteinase [Zea mays]'		
Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84664	Strand	+
Start	1	End	2144
Name	OJ991216_01.0403.C24.o1.np	Method	AAT/NAP
Start	1	End	1864
GI	1706260	Score	1062
Exons	1..83, 193..312, 1255..1498, 1581..1864		
GI Descrip.	CYSTEINE PROTEINASE 1 PRECURSOR gi|2118131|pir||S59597 cysteine proteinase 1 precursor - maize gi|643597|dbj|BAA08244| (D45402) cysteine proteinase [Zea mays]		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o1.tm	Method	TBLASTX:Maize
Start	2	End	1864
GI	none	Score	150
Exons	2..97, 3..98, 195..311, 214..312, 1238..1417, 1246..1497, 1252..1497, 1254..1499, 1576..1857, 1577..1864		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1872
GI	none	Score	114
Exons	2..76, 3..98, 195..305, 214..321, 1252..1320, 1254..1316, 1333..1383, 1372..1446, 1390..1446, 1438..1497, 1438..1497, 1573..1791, 1577..1792, 1802..1858, 1810..1872		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o1.tc	Method	TBLASTX:Cress
Start	47	End	1864
GI	none	Score	49
Exons	47..97, 48..98, 198..311, 214..321, 1252..1389, 1254..1388, 1348..1491, 1389..1499, 1390..1497, 1573..1797, 1577..1801, 1805..1864		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o1.tw	Method	TBLASTX:Wheat
Start	219	End	1636
GI	none	Score	76
Exons	219..275, 220..276, 277..321, 282..311, 1238..1417, 1246..1494, 1252..1497, 1254..1499, 1576..1632, 1577..1636		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o2.tw	Method	TBLASTX:Wheat
Start	1660	End	1867
GI	none	Score	320
Exons	1660..1866, 1661..1867		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o2.np	Method	AAT/NAP
Start	3783	End	5844
GI	7485691	Score	219
Exons	3783..3808, 5472..5844		
GI Descrip.	hypothetical protein F18A5.20 - Arabidopsis thaliana gi|4455292|emb|CAB36827.1| (AL035528) putative protein [Arabidopsis thaliana] gi|7268067|emb|CAB78405.1| (AL161537) putative protein [Arabidopsis thaliana]		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o2.tm	Method	TBLASTX:Maize
Start	4440	End	4630
GI	none	Score	191
Exons	4440..4628, 4441..4629, 4469..4630		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o2.gs	Method	GENSCAN
Start	4441	End	5769
GI	none	Score	.65
Exons	4441..4712, 4989..5769		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o3.tm	Method	TBLASTX:Maize
Start	5062	End	5658
GI	none	Score	49
Exons	5062..5094, 5170..5235, 5211..5285, 5218..5346, 5348..5401, 5354..5401, 5426..5461, 5530..5658, 5560..5601		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o2.gp	Method	AAT/GAP
Start	5089	End	5447
GI	none	Score	707
Exons	5089..5447		

Seq. No.	40894	Seq. ID	OJ991216_01.0403.C24
Gene No.	84665	Strand	-
Start	4441	End	5844
Name	OJ991216_01.0403.C24.o3.gp	Method	AAT/GAP
Start	5624	End	5844
GI	none	Score	434
Exons	5624..5844		

Seq. No.	40895	Seq. ID	OJ991216_01.0403.C25
Gene No.	84666	Strand	-
Start	158	End	1809
Name	OJ991216_01.0403.C25.o1.gs	Method	GENSCAN
Start	158	End	1809
GI	none	Score	.43
Exons	158..317, 820..914, 1776..1809		

Seq. No.	40896	Seq. ID	OJ991216_01.0403.C26
Gene No.	84667	Strand	-
Start	1	End	128
Name	OJ991216_01.0403.C26.o1.np	Method	AAT/NAP
Start	1	End	128
GI	6721517	Score	76
Exons	1..128		

GI Descrip. (AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]

Seq. No.	40896	Seq. ID	OJ991216_01.0403.C26
Gene No.	84668	Strand	-
Start	79	End	995
Name	OJ991216_01.0403.C26.o2.np	Method	AAT/NAP
Start	79	End	995
GI	5042448	Score	323
Exons	79..132, 401..626, 666..995		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	40896	Seq. ID	OJ991216_01.0403.C26
Gene No.	84668	Strand	-
Start	79	End	995
Name	OJ991216_01.0403.C26.o1.gs	Method	GENSCAN
Start	404	End	871
GI	none	Score	.56
Exons	404..555, 742..871		

Seq. No.	40897	Seq. ID	OJ991216_01.0403.C30
Gene No.	84669	Strand	+
Start	224	End	3783
Name	OJ991216_01.0403.C30.o1.gs	Method	GENSCAN
Start	224	End	3783
GI	none	Score	.75
Exons	224..315, 1049..1150, 3722..3783		

Seq. No.	40897	Seq. ID	OJ991216_01.0403.C30
Gene No.	84670	Strand	+
Start	4664	End	7959
Name	OJ991216_01.0403.C30.o2.gs	Method	GENSCAN
Start	4664	End	7959
GI	none	Score	.74
Exons	4664..4914, 5047..5227, 7183..7493, 7578..7959		

Seq. No.	40897	Seq. ID	OJ991216_01.0403.C30
Gene No.	84671	Strand	+
Start	8456	End	11786
Name	OJ991216_01.0403.C30.o3.gs	Method	GENSCAN
Start	8456	End	11786
GI	none	Score	.56
Exons	8456..8462, 8846..9052, 9100..9253, 9469..9553, 11363..11786		

Seq. No.	40897	Seq. ID	OJ991216_01.0403.C30
Gene No.	84672	Strand	-
Start	1	End	277
Name	OJ991216_01.0403.C30.o1.np	Method	AAT/NAP
Start	1	End	277
GI	7485171	Score	103
Exons	1..277		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244915|emb|CAB10337.1| (Z97339) reverse transcriptase like protein [Arabidopsis thaliana] gi|7268307|emb|CAB78601.1| (AL161542) reverse transcriptase like protein [Arabidopsis thaliana]		

Seq. No.	40897	Seq. ID	OJ991216_01.0403.C30
Gene No.	84672	Strand	-
Start	1	End	277
Name	OJ991216_01.0403.C30.o1.tm	Method	TBLASTX:Maize
Start	37	End	273
GI	none	Score	98
Exons	37..273, 59..199		

Seq. No.	40897	Seq. ID	OJ991216_01.0403.C30
Gene No.	84672	Strand	-
Start	1	End	277
Name	OJ991216_01.0403.C30.o1.tw	Method	TBLASTX:Wheat
Start	37	End	265
GI	none	Score	79
Exons	37..69, 70..264, 71..265		

Seq. No.	40898	Seq. ID	OJ991216_01.0403.C31
Gene No.	84673	Strand	+
Start	214	End	366
Name	OJ991216_01.0403.C31.o1.gs	Method	GENSCAN
Start	214	End	366
GI	none	Score	.52
Exons	214..366		

Seq. No.	40899	Seq. ID	OJ991226_50.0317.C2
Gene No.	84674	Strand	+
Start	1	End	729
Name	OJ991226_50.0317.C2.o1.np	Method	AAT/NAP
Start	1	End	729
GI	6016874	Score	503
Exons	1..237, 343..729		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	40899	Seq. ID	OJ991226_50.0317.C2
Gene No.	84674	Strand	+
Start	1	End	729
Name	OJ991226_50.0317.C2.o2.tm	Method	TBLASTX:Maize
Start	3	End	368
GI	none	Score	217
Exons	3..254, 5..253, 340..366, 342..368		

Seq. No.	40899	Seq. ID	OJ991226_50.0317.C2
Gene No.	84674	Strand	+
Start	1	End	729
Name	OJ991226_50.0317.C2.o1.ts	Method	TBLASTX:Soybean
Start	9	End	584
GI	none	Score	58
Exons	9..176, 377..511, 384..584		

Seq. No.	40899	Seq. ID	OJ991226_50.0317.C2
Gene No.	84674	Strand	+
Start	1	End	729
Name	OJ991226_50.0317.C2.o1.tm	Method	TBLASTX:Maize
Start	380	End	614
GI	none	Score	297

Exons	380..511, 381..614		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84675	Strand	+
Start	2509	End	4278
Name	OJ991226_50.0317.C3.o1.gs	Method	GENSCAN
Start	2509	End	4278
GI	none	Score	.59
Exons	2509..2518, 2889..3020, 4214..4278		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84676	Strand	+
Start	5539	End	9550
Name	OJ991226_50.0317.C3.o2.gs	Method	GENSCAN
Start	5539	End	8553
GI	none	Score	.64
Exons	5539..6291, 7153..7578, 7588..8553		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84676	Strand	+
Start	5539	End	9550
Name	OJ991226_50.0317.C3.o1.np	Method	AAT/NAP
Start	5554	End	9550
GI	6016732	Score	1177
Exons	5554..6294, 7153..8142, 9470..9550		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091719|gb|AAF03431.1|AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84676	Strand	+
Start	5539	End	9550
Name	OJ991226_50.0317.C3.o2.gp	Method	AAT/GAP
Start	6046	End	7213
GI	uC-osflcyp158a11b1	Score	594
Exons	6046..6291, 7153..7213		
GI Descrip.	'6016732/gb|AAF01558.1|AC009325_28 9.0e-13 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091719_gb_AAF03431.1_AC010797_7 (AC010797) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84676	Strand	+
Start	5539	End	9550
Name	OJ991226_50.0317.C3.o3.gp	Method	AAT/GAP
Start	7615	End	7900
GI	LIB3477-006-P1-K1-H9	Score	531
Exons	7615..7900		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-13 Homo sapiens PEX1 mRNA, complete cds'		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84676	Strand	+
Start	5539	End	9550
Name	OJ991226_50.0317.C3.o4.gp	Method	AAT/GAP
Start	8062	End	8448
GI	572337	Score	747

Exons	8062..8448		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o6.tm	Method	TBLASTX:Maize
Start	5548	End	5811
GI	none	Score	352
Exons	5548..5589, 5562..5705, 5563..5811, 5665..5811		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o1.tc	Method	TBLASTX:Cress
Start	5565	End	5811
GI	none	Score	257
Exons	5565..5705, 5566..5811		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o1.ts	Method	TBLASTX:Soybean
Start	5566	End	7224
GI	none	Score	282
Exons	5566..5823, 5568..5705, 5665..5748, 5851..6057, 5862..6041, 5995..6042, 6121..6207, 6157..6210, 6217..6294, 7147..7224		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o3.tm	Method	TBLASTX:Maize
Start	5812	End	7263
GI	none	Score	372
Exons	5812..6084, 5853..6077, 5992..6060, 6121..6219, 6127..6231, 6128..6259, 6167..6292, 6217..6294, 6231..6293, 7139..7243, 7145..7243, 7147..7263, 7147..7257, 7149..7262		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o1.tm	Method	TBLASTX:Maize
Start	7350	End	8578
GI	none	Score	74
Exons	7350..7427, 7350..7424, 7351..7428, 7406..7858, 7423..7932, 7428..7850, 7843..7956, 7864..7983, 7953..8150, 7972..8103, 8121..8219, 8140..8172, 8169..8282, 8275..8325, 8275..8325, 8404..8556, 8406..8555, 8516..8578		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o1.tw	Method	TBLASTX:Wheat
Start	7393	End	7776
GI	none	Score	514
Exons	7393..7776, 7395..7775		
Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3

Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o3.ts	Method	TBLASTX:Soybean
Start	7458	End	7821
GI	none	Score	202
Exons	7458..7643, 7459..7704, 7711..7821		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o5.gp	Method	AAT/GAP
Start	8969	End	10881
GI	15763_1.R1084	Score	2335
Exons	8969..9804, 9883..10004, 10088..10130, 10217..10329, 10428..10487, 10801..10881		
GI Descrip.	'6016737/gb|AAF01563.1|AC009325_33 3.0e-11 (AC009325) hypothetical protein [Arabidopsis thaliana] >gi_6091741_gb_AAF03453.1_AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o3.gs	Method	GENSCAN
Start	9541	End	13362
GI	none	Score	.78
Exons	9541..10004, 10428..10487, 10801..10870, 11216..11280, 11877..12014, 12093..13362		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o2.np	Method	AAT/NAP
Start	9544	End	13254
GI	6016737	Score	647
Exons	9544..9804, 9883..10027, 10081..10123, 10213..10358, 11873..11997, 12139..13254		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana] gi|6091741|gb|AAF03453.1|AC010797_29 (AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o4.ts	Method	TBLASTX:Soybean
Start	9556	End	9813
GI	none	Score	84
Exons	9556..9762, 9574..9768, 9647..9775, 9775..9813		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o5.tm	Method	TBLASTX:Maize
Start	9613	End	10872
GI	none	Score	184
Exons	9613..9813, 9647..9805, 9844..10005, 9882..9932, 9923..10006, 10078..10134, 10079..10135, 10088..10135, 10192..10329,		

10208..10330, 10217..10330, 10221..10331, 10420..10458,
10428..10472, 10789..10872, 10800..10850, 10801..10872

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o6.gp	Method	AAT/GAP
Start	11027	End	12118
GI	LIB3432-004-P1-K1-F10	Score	783
Exons	11027..11280, 11877..12014, 12093..12118		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o4.tm	Method	TBLASTX:Maize
Start	11874	End	12376
GI	none	Score	105
Exons	11874..11996, 11876..11995, 11878..12003, 11923..12015, 11942..12022, 12082..12339, 12083..12352, 12343..12375, 12344..12376		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o8.tm	Method	TBLASTX:Maize
Start	12391	End	12573
GI	none	Score	182
Exons	12391..12573, 12422..12571, 12433..12573		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o2.ts	Method	TBLASTX:Soybean
Start	12485	End	12859
GI	none	Score	91
Exons	12485..12682, 12550..12855, 12610..12777, 12707..12859		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o2.tc	Method	TBLASTX:Cress
Start	12550	End	12775
GI	none	Score	141
Exons	12550..12771, 12551..12775		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-
Start	8969	End	13401
Name	OJ991226_50.0317.C3.o2.tm	Method	TBLASTX:Maize
Start	12574	End	13179
GI	none	Score	413
Exons	12574..12966, 12578..12952, 12952..13179, 12956..13177		

Seq. No.	40900	Seq. ID	OJ991226_50.0317.C3
Gene No.	84677	Strand	-

Start	8969	End	13401
Name	OJ991226_50.0317.C3.o7.tm	Method	TBLASTX:Maize
Start	13180	End	13401
GI	none	Score	110
Exons	13180..13278, 13184..13276, 13276..13377, 13279..13401, 13286..13378		

Seq. No.	40901	Seq. ID	OJ991226_50.0317.C4
Gene No.	84678	Strand	+
Start	49	End	2630
Name	OJ991226_50.0317.C4.o1.gs	Method	GENSCAN
Start	49	End	2630
GI	none	Score	.63
Exons	49..205, 746..902, 1341..1434, 1571..1653, 1908..2142, 2512..2630		

Seq. No.	40901	Seq. ID	OJ991226_50.0317.C4
Gene No.	84679	Strand	+
Start	4608	End	7653
Name	OJ991226_50.0317.C4.o2.gs	Method	GENSCAN
Start	4608	End	7653
GI	none	Score	.59
Exons	4608..4614, 4686..4795, 5092..5239, 5830..5920, 6163..6888, 7341..7653		

Seq. No.	40901	Seq. ID	OJ991226_50.0317.C4
Gene No.	84679	Strand	+
Start	4608	End	7653
Name	OJ991226_50.0317.C4.o1.gp	Method	AAT/GAP
Start	7325	End	7600
GI	5701672	Score	461
Exons	7325..7600		
GI Descrip.	4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	40901	Seq. ID	OJ991226_50.0317.C4
Gene No.	84680	Strand	+
Start	8843	End	9424
Name	OJ991226_50.0317.C4.o2.gp	Method	AAT/GAP
Start	8504	End	8914
GI	uC-osrocyp003d03a1	Score	684
Exons	8504..8914		
GI Descrip.	'5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	40901	Seq. ID	OJ991226_50.0317.C4
Gene No.	84680	Strand	+
Start	8843	End	9424
Name	OJ991226_50.0317.C4.o3.gs	Method	GENSCAN
Start	8843	End	9424
GI	none	Score	.93
Exons	8843..9424		

Seq. No.	40901	Seq. ID	OJ991226_50.0317.C4
Gene No.	84681	Strand	-
Start	427	End	9164
Name	OJ991226_50.0317.C4.o1.np	Method	AAT/NAP

Start	427	End	9164
GI	6523547	Score	296
Exons	427..665, 781..951, 2120..2154, 6422..6665, 7367..7593, 8773..8913, 8963..9164		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84682	Strand	+
Start	1	End	1339
Name	OJ991226_50.0317.C5.o1.gp	Method	AAT/GAP
Start	1	End	591
GI	4715805	Score	726
Exons	1..135, 229..357, 451..591		
GI Descrip.	5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84682	Strand	+
Start	1	End	1339
Name	OJ991226_50.0317.C5.o1.np	Method	AAT/NAP
Start	1	End	1336
GI	6382535	Score	905
Exons	1..135, 229..357, 451..586, 667..755, 852..963, 1043..1149, 1246..1336		
GI Descrip.	(AC011020) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84682	Strand	+
Start	1	End	1339
Name	OJ991226_50.0317.C5.o1.gs	Method	GENSCAN
Start	9	End	1339
GI	none	Score	.87
Exons	9..67, 229..357, 451..586, 667..755, 852..963, 1016..1149, 1246..1339		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84683	Strand	+
Start	1743	End	2067
Name	OJ991226_50.0317.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	1728
GI	none	Score	105
Exons	1..57, 2..58, 3..62, 3..62, 61..135, 62..136, 65..139, 218..358, 226..357, 426..563, 433..567, 448..585, 449..592, 449..586, 664..753, 664..714, 666..758, 666..758, 853..969, 867..959, 1040..1150, 1042..1149, 1243..1302, 1244..1315, 1304..1342, 1304..1363, 1462..1497, 1584..1628, 1588..1611, 1633..1728, 1647..1724		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84683	Strand	+
Start	1743	End	2067
Name	OJ991226_50.0317.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1153
GI	none	Score	69
Exons	1..36, 3..59, 20..139, 62..136, 218..358, 223..357, 448..570, 449..559, 459..590, 660..752, 664..753, 856..969, 864..980,		

873..968, 1040..1105, 1045..1104, 1109..1153, 1109..1153

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84683	Strand	+
Start	1743	End	2067
Name	OJ991226_50.0317.C5.o1.tc	Method	TBLASTX:Cress
Start	59	End	753
GI	none	Score	119
Exons	59..136, 61..111, 218..358, 223..363, 223..357, 429..554, 444..551, 448..573, 449..592, 449..586, 664..753, 666..752		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84683	Strand	+
Start	1743	End	2067
Name	OJ991226_50.0317.C5.o1.tw	Method	TBLASTX:Wheat
Start	80	End	562
GI	none	Score	56
Exons	80..136, 218..301, 332..358, 337..357, 448..561, 449..562		

Seq. No.	40902	Seq. ID	OJ991226_50.0317.C5
Gene No.	84683	Strand	+
Start	1743	End	2067
Name	OJ991226_50.0317.C5.o2.gp	Method	AAT/GAP
Start	1743	End	2067
GI	31827_1.R1084	Score	608
Exons	1743..2067		
GI Descrip.	'4038035 1.0e-09 (AC005936) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	40903	Seq. ID	OJ991226_50.0317.C6
Gene No.	84684	Strand	+
Start	111	End	184
Name	OJ991226_50.0317.C6.o1.gs	Method	GENSCAN
Start	111	End	184
GI	none	Score	.61
Exons	111..184		

Seq. No.	40903	Seq. ID	OJ991226_50.0317.C6
Gene No.	84685	Strand	+
Start	1327	End	1777
Name	OJ991226_50.0317.C6.o1.gp	Method	AAT/GAP
Start	1327	End	1777
GI	4715481	Score	819
Exons	1327..1777		

Seq. No.	40903	Seq. ID	OJ991226_50.0317.C6
Gene No.	84686	Strand	-
Start	1642	End	2094
Name	OJ991226_50.0317.C6.o2.gs	Method	GENSCAN
Start	1642	End	2094
GI	none	Score	.76
Exons	1642..1721, 1981..2094		

Seq. No.	40904	Seq. ID	OJ991226_50.0317.C7
Gene No.	84687	Strand	+
Start	436	End	1762
Name	OJ991226_50.0317.C7.o1.gs	Method	GENSCAN

Start	436	End	1525
GI	none	Score	.72
Exons	436..1525		

Seq. No.	40904	Seq. ID	OJ991226_50.0317.C7
Gene No.	84687	Strand	+
Start	436	End	1762
Name	OJ991226_50.0317.C7.o1.np	Method	AAT/NAP
Start	550	End	1762
GI	7340884	Score	845
Exons	550..1548, 1600..1762		
GI Descrip.	(AP001551) Similar to Antirrhinum majus transposon Tam3 gene for transposase. (AB013982) [Oryza sativa]		

Seq. No.	40904	Seq. ID	OJ991226_50.0317.C7
Gene No.	84687	Strand	+
Start	436	End	1762
Name	OJ991226_50.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	795	End	1140
GI	none	Score	64
Exons	795..995, 798..1049, 814..1071, 817..1077, 1077..1130, 1077..1136, 1078..1140		

Seq. No.	40904	Seq. ID	OJ991226_50.0317.C7
Gene No.	84687	Strand	+
Start	436	End	1762
Name	OJ991226_50.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	1456	End	1745
GI	none	Score	250
Exons	1456..1743, 1464..1616, 1644..1745		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84688	Strand	+
Start	781	End	5844
Name	OJ991226_50.0317.C8.o1.gs	Method	GENSCAN
Start	781	End	5844
GI	none	Score	.82
Exons	781..809, 902..1029, 1126..1407, 2178..2294, 2454..2476, 2829..3038, 3774..3921, 4097..5085, 5737..5844		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84688	Strand	+
Start	781	End	5844
Name	OJ991226_50.0317.C8.o1.gp	Method	AAT/GAP
Start	1126	End	2564
GI	none	Score	1051
Exons	1126..1298, 1386..1407, 2211..2564		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84688	Strand	+
Start	781	End	5844
Name	OJ991226_50.0317.C8.o1.np	Method	AAT/NAP
Start	2149	End	5063
GI	7485117	Score	951
Exons	2149..2173, 3841..3966, 4082..5063		
GI Descrip.	hypothetical protein - Arabidopsis thaliana gi|2244816|emb|CAB10239.1| (Z97336) hypothetical protein		

[Arabidopsis thaliana] gi|7268166|emb|CAB78502.1| (AL161539) hypothetical protein [Arabidopsis thaliana]

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84689	Strand	+
Start	9048	End	11268
Name	OJ991226_50.0317.C8.o3.np	Method	AAT/NAP
Start	8984	End	11268
GI	7487621	Score	369
Exons	8984..9888, 11246..11268		
GI Descrip.	hypothetical protein T3K9.17 - Arabidopsis thaliana gi|3402711|gb|AAD12005.1| (AC004261) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84689	Strand	+
Start	9048	End	11268
Name	OJ991226_50.0317.C8.o3.gs	Method	GENSCAN
Start	9048	End	10208
GI	none	Score	.91
Exons	9048..10208		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84689	Strand	+
Start	9048	End	11268
Name	OJ991226_50.0317.C8.o2.gp	Method	AAT/GAP
Start	9863	End	10827
GI	none	Score	953
Exons	9863..10191, 10637..10827		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84690	Strand	-
Start	5707	End	7831
Name	OJ991226_50.0317.C8.o2.np	Method	AAT/NAP
Start	5707	End	7831
GI	6330157	Score	577
Exons	5707..5770, 6835..7121, 7167..7831		
GI Descrip.	(AB032986) KIAA1160 protein [Homo sapiens]		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84690	Strand	-
Start	5707	End	7831
Name	OJ991226_50.0317.C8.o2.gs	Method	GENSCAN
Start	6847	End	7782
GI	none	Score	.99
Exons	6847..7782		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o1.ts	Method	TBLASTX:Soybean
Start	3900	End	4869
GI	none	Score	108
Exons	3900..4028, 3907..4029, 4087..4233, 4089..4229, 4297..4467, 4309..4701, 4368..4700, 4636..4788, 4650..4787, 4651..4782, 4795..4869		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	4318	End	4794
GI	none	Score	54
Exons	4318..4413, 4423..4539, 4467..4733, 4470..4724, 4471..4752, 4477..4752, 4687..4794		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	4818	End	5082
GI	none	Score	38
Exons	4818..4844, 4819..4842, 4842..5072, 4843..5082, 4845..5075, 4910..5077		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o4.ts	Method	TBLASTX:Soybean
Start	4948	End	5157
GI	none	Score	246
Exons	4948..5157, 4959..5156		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o4.tm	Method	TBLASTX:Maize
Start	6774	End	7171
GI	none	Score	36
Exons	6774..6803, 6804..6986, 6835..6993, 6843..6917, 6848..6991, 7113..7169, 7115..7171		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	7277	End	7467
GI	none	Score	269
Exons	7277..7465, 7285..7467		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o3.ts	Method	TBLASTX:Soybean
Start	7438	End	7780
GI	none	Score	62
Exons	7438..7476, 7471..7551, 7493..7525, 7567..7773, 7595..7621, 7727..7771, 7733..7780		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	7471	End	7773

GI	none	Score	268
Exons	7471..7551, 7540..7773		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o2.ts	Method	TBLASTX:Soybean
Start	9252	End	9845
GI	none	Score	153
Exons	9252..9503, 9561..9611, 9563..9604, 9618..9845, 9618..9779, 9629..9820		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o2.tc	Method	TBLASTX:Cress
Start	9306	End	9848
GI	none	Score	60
Exons	9306..9380, 9435..9503, 9561..9848, 9563..9604, 9618..9800, 9629..9835		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o5.tm	Method	TBLASTX:Maize
Start	9561	End	9845
GI	none	Score	57
Exons	9561..9605, 9563..9604, 9617..9835, 9618..9845		

Seq. No.	40905	Seq. ID	OJ991226_50.0317.C8
Gene No.	84691	Strand	-
Start	11404	End	11847
Name	OJ991226_50.0317.C8.o4.gs	Method	GENSCAN
Start	11404	End	11847
GI	none	Score	.55
Exons	11404..11439, 11622..11651, 11768..11847		

Seq. No.	40906	Seq. ID	OJ991226_50.0317.C9
Gene No.	84692	Strand	+
Start	1287	End	6017
Name	OJ991226_50.0317.C9.o1.gs	Method	GENSCAN
Start	1287	End	6017
GI	none	Score	.48
Exons	1287..1361, 2302..2449, 3834..3952, 4989..5062, 5212..5450, 5452..5488, 5650..5696, 5942..6017		

Seq. No.	40906	Seq. ID	OJ991226_50.0317.C9
Gene No.	84693	Strand	-
Start	397	End	2855
Name	OJ991226_50.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	394	End	636
GI	none	Score	338
Exons	394..630, 395..631, 395..631, 412..636, 417..632		

Seq. No.	40906	Seq. ID	OJ991226_50.0317.C9
Gene No.	84693	Strand	-
Start	397	End	2855

Name	OJ991226_50.0317.C9.o1.np	Method	AAT/NAP
Start	397	End	2851
GI	4903139	Score	595
Exons	397..623, 1157..1197, 1294..1355, 2651..2851		
GI Descrip.	(AB027456) extensive homology to FT (FLOWERING LOCUS T, AB027504) and TSF (TWIN SISTER OF FT, AB027506) genes of Arabidopsis thaliana; similar to mammalian phophatidylethanolamine binding protein (PEBP) and hippocampal cholin...		

Seq. No.	40906	Seq. ID	OJ991226_50.0317.C9
Gene No.	84693	Strand	-
Start	397	End	2855
Name	OJ991226_50.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	404	End	627
GI	none	Score	194
Exons	404..607, 406..627, 410..625		

Seq. No.	40906	Seq. ID	OJ991226_50.0317.C9
Gene No.	84693	Strand	-
Start	397	End	2855
Name	OJ991226_50.0317.C9.o2.tm	Method	TBLASTX:Maize
Start	1150	End	2855
GI	none	Score	61
Exons	1150..1197, 1155..1205, 1293..1397, 2646..2720, 2648..2842, 2655..2855, 2656..2841, 2657..2842		

Seq. No.	40906	Seq. ID	OJ991226_50.0317.C9
Gene No.	84693	Strand	-
Start	397	End	2855
Name	OJ991226_50.0317.C9.o2.ts	Method	TBLASTX:Soybean
Start	1158	End	2839
GI	none	Score	220
Exons	1158..1205, 1293..1364, 2645..2839		

Seq. No.	40907	Seq. ID	OJ991226_50.0317.C10
Gene No.	84694	Strand	+
Start	194	End	655
Name	OJ991226_50.0317.C10.o1.gs	Method	GENSCAN
Start	194	End	655
GI	none	Score	.73
Exons	194..245, 581..655		

Seq. No.	40907	Seq. ID	OJ991226_50.0317.C10
Gene No.	84695	Strand	+
Start	865	End	1247
Name	OJ991226_50.0317.C10.o1.np	Method	AAT/NAP
Start	865	End	1247
GI	5852093	Score	70
Exons	865..1008, 1122..1247		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	40908	Seq. ID	OJ991226_50.0317.C12
Gene No.	84696	Strand	-
Start	2880	End	2979
Name	OJ991226_50.0317.C12.o1.tm	Method	TBLASTX:Maize
Start	2709	End	2979

GI	none	Score	121
Exons	2709..2798, 2715..2792, 2777..2812, 2898..2978, 2923..2979		

Seq. No.	40908	Seq. ID	OJ991226_50.0317.C12
Gene No.	84696	Strand	-
Start	2880	End	2979
Name	OJ991226_50.0317.C12.o2.gs	Method	GENSCAN
Start	2880	End	2951
GI	none	Score	.57
Exons	2880..2951		

Seq. No.	40909	Seq. ID	OJ991226_50.0317.C13
Gene No.	84697	Strand	+
Start	1	End	686
Name	OJ991226_50.0317.C13.o1.gp	Method	AAT/GAP
Start	1	End	686
GI	12022_1.R1084	Score	761
Exons	1..166, 349..686		
GI Descrip.	'5902672/gb|AAC79672.2| 2.0e-60 (AF034643) putative cdc2-related kinase [Haematobia irritans irritans]'		

Seq. No.	40910	Seq. ID	OJ991226_50.0317.C15
Gene No.	84698	Strand	+
Start	1	End	702
Name	OJ991226_50.0317.C15.o1.np	Method	AAT/NAP
Start	1	End	702
GI	4680179	Score	753
Exons	1..702		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	40910	Seq. ID	OJ991226_50.0317.C15
Gene No.	84698	Strand	+
Start	1	End	702
Name	OJ991226_50.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	154	End	570
GI	none	Score	507
Exons	154..570, 180..488		

Seq. No.	40910	Seq. ID	OJ991226_50.0317.C15
Gene No.	84698	Strand	+
Start	1	End	702
Name	OJ991226_50.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	178	End	501
GI	none	Score	424
Exons	178..492, 180..488, 190..501		

Seq. No.	40910	Seq. ID	OJ991226_50.0317.C15
Gene No.	84698	Strand	+
Start	1	End	702
Name	OJ991226_50.0317.C15.o1.gs	Method	GENSCAN
Start	187	End	648
GI	none	Score	.85
Exons	187..648		

Seq. No.	40911	Seq. ID	OJ991226_50.0317.C17
Gene No.	84699	Strand	+
Start	696	End	905

Name	OJ991226_50.0317.C17.o1.gs	Method	GENSCAN
Start	696	End	905
GI	none	Score	.66
Exons	696..905		

Seq. No.	40912	Seq. ID	OJ991226_50.0317.C18
Gene No.	84700	Strand	+
Start	346	End	2619
Name	OJ991226_50.0317.C18.o1.gs	Method	GENSCAN
Start	346	End	2619
GI	none	Score	.44
Exons	346..460, 955..1050, 1825..1971, 2474..2619		

Seq. No.	40912	Seq. ID	OJ991226_50.0317.C18
Gene No.	84701	Strand	-
Start	3113	End	3622
Name	OJ991226_50.0317.C18.o2.gs	Method	GENSCAN
Start	3113	End	3529
GI	none	Score	.68
Exons	3113..3529		

Seq. No.	40912	Seq. ID	OJ991226_50.0317.C18
Gene No.	84701	Strand	-
Start	3113	End	3622
Name	OJ991226_50.0317.C18.o1.np	Method	AAT/NAP
Start	3185	End	3622
GI	7434307	Score	379
Exons	3185..3622		
GI Descrip.	hypothetical protein F25G13.90 - Arabidopsis thaliana gi|5123941|emb|CAB45499.1| (AL079349) putative protein [Arabidopsis thaliana] gi|7268002|emb|CAB78342.1| (AL161535) putative protein [Arabidopsis thaliana]		

Seq. No.	40912	Seq. ID	OJ991226_50.0317.C18
Gene No.	84701	Strand	-
Start	3113	End	3622
Name	OJ991226_50.0317.C18.o1.tm	Method	TBLASTX:Maize
Start	3287	End	3599
GI	none	Score	56
Exons	3287..3379, 3368..3430, 3380..3439, 3440..3598, 3480..3599		

Seq. No.	40912	Seq. ID	OJ991226_50.0317.C18
Gene No.	84701	Strand	-
Start	3113	End	3622
Name	OJ991226_50.0317.C18.o1.ts	Method	TBLASTX:Soybean
Start	3293	End	3557
GI	none	Score	67
Exons	3293..3556, 3468..3557		

Seq. No.	40912	Seq. ID	OJ991226_50.0317.C18
Gene No.	84701	Strand	-
Start	3113	End	3622
Name	OJ991226_50.0317.C18.o1.tc	Method	TBLASTX:Cress
Start	3300	End	3599
GI	none	Score	61
Exons	3300..3380, 3302..3391, 3368..3427, 3467..3598, 3480..3599		

Seq. No.	40913	Seq. ID	OJ991226_50.0317.C19
Gene No.	84702	Strand	-
Start	1749	End	3117
Name	OJ991226_50.0317.C19.o1.np	Method	AAT/NAP
Start	1749	End	3117
GI	7487797	Score	947
Exons	1749..3117		
GI Descrip.	hypothetical protein T8F5.16 - Arabidopsis thaliana gi|3335351|gb|AAC27153.1| (AC004512) Similar to ERECTA receptor protein kinase gb|D83257 from A. thaliana. ESTs gb|T41629 and gb|AA586072 come from this gene. [Arabidopsis thaliana] gi|6049566|gb|AAF02654.1| (AF177672) receptor-like protein CLAVATA2 [Arabidopsis thaliana]		

Seq. No.	40913	Seq. ID	OJ991226_50.0317.C19
Gene No.	84702	Strand	-
Start	1749	End	3117
Name	OJ991226_50.0317.C19.o1.ts	Method	TBLASTX:Soybean
Start	1758	End	2993
GI	none	Score	66
Exons	1758..1865, 1957..2031, 1959..2156, 2089..2127, 2148..2342, 2160..2306, 2161..2295, 2430..2561, 2502..2624, 2571..2702, 2583..2717, 2647..2697, 2727..2858, 2791..2904, 2862..2993, 2862..2981		

Seq. No.	40913	Seq. ID	OJ991226_50.0317.C19
Gene No.	84702	Strand	-
Start	1749	End	3117
Name	OJ991226_50.0317.C19.o1.tc	Method	TBLASTX:Cress
Start	1950	End	3095
GI	none	Score	66
Exons	1950..2255, 1959..2066, 2001..2276, 2004..2135, 2010..2270, 2013..2168, 2016..2270, 2016..2261, 2028..2216, 2079..2324, 2085..2138, 2095..2259, 2100..2300, 2211..2270, 2385..2912, 2403..2654, 2403..2552, 2427..2972, 2427..2714, 2430..2849, 2430..2987, 2430..2972, 2445..2624, 2499..2795, 2577..2981, 2577..2870, 2584..2886, 2637..2990, 2638..2892, 2644..2733, 2646..2942, 2700..2987, 2715..2912, 2776..2895, 2781..2987, 2788..2898, 2791..2949, 2802..2981, 2844..2972, 3015..3095		

Seq. No.	40913	Seq. ID	OJ991226_50.0317.C19
Gene No.	84702	Strand	-
Start	1749	End	3117
Name	OJ991226_50.0317.C19.o1.tw	Method	TBLASTX:Wheat
Start	1998	End	2984
GI	none	Score	52
Exons	1998..2315, 2089..2265, 2089..2277, 2424..2684, 2430..2627, 2571..2837, 2646..2918, 2721..2972, 2784..2984		

Seq. No.	40913	Seq. ID	OJ991226_50.0317.C19
Gene No.	84702	Strand	-
Start	1749	End	3117
Name	OJ991226_50.0317.C19.o1.tm	Method	TBLASTX:Maize
Start	2016	End	2987
GI	none	Score	72
Exons	2016..2111, 2202..2288, 2430..2675, 2472..2741, 2500..2733, 2547..2813, 2611..2895, 2613..2891, 2775..2975, 2904..2987		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84703	Strand	+
Start	44	End	1307
Name	OJ991226_50.0317.C20.o1.gs	Method	GENSCAN
Start	44	End	1307
GI	none	Score	.53
Exons	44..147, 585..744, 801..1307		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84704	Strand	+
Start	3374	End	9526
Name	OJ991226_50.0317.C20.o1.np	Method	AAT/NAP
Start	3374	End	9526
GI	7228457	Score	9346
Exons	3374..3740, 3802..5737, 5801..6635, 6758..7909, 7976..9526		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84705	Strand	-
Start	1	End	168
Name	OJ991226_50.0317.C20.o1.gp	Method	AAT/GAP
Start	1	End	168
GI	none	Score	320
Exons	1..168		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84706	Strand	-
Start	10162	End	14102
Name	OJ991226_50.0317.C20.o3.gs	Method	GENSCAN
Start	10162	End	14102
GI	none	Score	.75
Exons	10162..12067, 12166..13498, 13981..14102		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84706	Strand	-
Start	10162	End	14102
Name	OJ991226_50.0317.C20.o2.np	Method	AAT/NAP
Start	10165	End	13426
GI	6907089	Score	4254
Exons	10165..12067, 12166..13426		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o1.tw	Method	TBLASTX:Wheat
Start	1306	End	6271
GI	none	Score	216
Exons	1306..1422, 5808..6251, 5809..6270, 5810..6271		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o6.tw	Method	TBLASTX:Wheat

Start	4028	End	4420
GI	none	Score	58
Exons	4028..4075, 4082..4180, 4099..4179, 4147..4308, 4163..4420		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o4.tm	Method	TBLASTX:Maize
Start	4033	End	4318
GI	none	Score	193
Exons	4033..4317, 4070..4318		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o5.tw	Method	TBLASTX:Wheat
Start	4428	End	7888
GI	none	Score	234
Exons	4428..4481, 7430..7678, 7454..7678, 7519..7692, 7739..7888, 7750..7887		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o3.tw	Method	TBLASTX:Wheat
Start	5158	End	5644
GI	none	Score	416
Exons	5158..5331, 5159..5644, 5159..5587, 5353..5613		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o3.ts	Method	TBLASTX:Soybean
Start	5849	End	6214
GI	none	Score	117
Exons	5849..6073, 6080..6214		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o1.tm	Method	TBLASTX:Maize
Start	5939	End	6295
GI	none	Score	392
Exons	5939..6295, 5974..6285, 6179..6295		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o3.tm	Method	TBLASTX:Maize
Start	6322	End	6706
GI	none	Score	360
Exons	6322..6687, 6323..6706		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o2.tw	Method	TBLASTX:Wheat

Start	6379	End	6804
GI	none	Score	486
Exons	6379..6804, 6380..6799		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o1.ts	Method	TBLASTX:Soybean
Start	6458	End	6829
GI	none	Score	280
Exons	6458..6829, 6475..6618		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o2.ts	Method	TBLASTX:Soybean
Start	7577	End	8143
GI	5666795	Score	68
Exons	7577..7675, 7751..7888, 7943..8143		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o8.tw	Method	TBLASTX:Wheat
Start	7891	End	8203
GI	none	Score	193
Exons	7891..8067, 7904..8092, 7943..8203		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o2.tm	Method	TBLASTX:Maize
Start	8396	End	8719
GI	none	Score	362
Exons	8396..8719, 8425..8706		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o4.tw	Method	TBLASTX:Wheat
Start	8533	End	8914
GI	none	Score	375
Exons	8533..8589, 8534..8914, 8537..8788, 8635..8883		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o7.tw	Method	TBLASTX:Wheat
Start	8915	End	9517
GI	none	Score	265
Exons	8915..9199, 8920..9198, 9391..9513, 9392..9517		

Seq. No.	40914	Seq. ID	OJ991226_50.0317.C20
Gene No.	84707	Strand	-
Start	14086	End	14165
Name	OJ991226_50.0317.C20.o3.np	Method	AAT/NAP

Start	14086	End	14165
GI	7523512	Score	99
Exons	14086..14165		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40915	Seq. ID	OJ991226_50.0317.C21
Gene No.	84708	Strand	+
Start	1	End	525
Name	OJ991226_50.0317.C21.o1.np	Method	AAT/NAP
Start	1	End	215
GI	5042454	Score	92
Exons	1..91, 128..215		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	40915	Seq. ID	OJ991226_50.0317.C21
Gene No.	84708	Strand	+
Start	1	End	525
Name	OJ991226_50.0317.C21.o1.gs	Method	GENSCAN
Start	104	End	525
GI	none	Score	.96
Exons	104..192, 412..525		

Seq. No.	40915	Seq. ID	OJ991226_50.0317.C21
Gene No.	84709	Strand	+
Start	953	End	1498
Name	OJ991226_50.0317.C21.o2.gs	Method	GENSCAN
Start	953	End	1498
GI	none	Score	.81
Exons	953..1032, 1435..1498		

Seq. No.	40915	Seq. ID	OJ991226_50.0317.C21
Gene No.	84710	Strand	-
Start	311	End	534
Name	OJ991226_50.0317.C21.o2.np	Method	AAT/NAP
Start	311	End	534
GI	6539570	Score	188
Exons	311..534		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84711	Strand	+
Start	1026	End	2349
Name	OJ991226_50.0317.C22.o1.gs	Method	GENSCAN
Start	1026	End	2349
GI	none	Score	.45
Exons	1026..1146, 1521..1653, 2157..2349		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84712	Strand	+
Start	13940	End	22209
Name	OJ991226_50.0317.C22.o2.np	Method	AAT/NAP
Start	13940	End	22191
GI	7523500	Score	343
Exons	13940..13988, 21029..21424, 21568..22191		
GI Descrip.	(AP001633) ESTs AU075812(E60850),AU075811(E60850) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana lipase mRNA (U38916) [Oryza sativa]		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84712	Strand	+
Start	13940	End	22209
Name	OJ991226_50.0317.C22.o3.gs	Method	GENSCAN
Start	17768	End	19312
GI	none	Score	.84
Exons	17768..18019, 18353..18490, 18549..18593, 18598..18663, 19190..19312		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84712	Strand	+
Start	13940	End	22209
Name	OJ991226_50.0317.C22.o2.gp	Method	AAT/GAP
Start	20025	End	20456
GI	76732_1.R1084	Score	649
Exons	20025..20046, 20096..20456		
GI Descrip.	'5830029/emb|AL115410.1|CNS01CE2 2.0e-09 Botrytis cinerea strain T4 cDNA library under conditions of nitrogen deprivation'		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84712	Strand	+
Start	13940	End	22209
Name	OJ991226_50.0317.C22.o4.gs	Method	GENSCAN
Start	20939	End	21465
GI	none	Score	.93
Exons	20939..21214, 21250..21465		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84712	Strand	+
Start	13940	End	22209
Name	OJ991226_50.0317.C22.o5.gs	Method	GENSCAN
Start	21685	End	22209
GI	none	Score	.79
Exons	21685..22209		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84713	Strand	+
Start	26984	End	30022
Name	OJ991226_50.0317.C22.o7.gs	Method	GENSCAN
Start	26984	End	30022
GI	none	Score	.62
Exons	26984..27188, 27267..27315, 27794..28130, 28167..28280, 29208..29379, 29754..30022		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84714	Strand	-
Start	3549	End	15627
Name	OJ991226_50.0317.C22.o2.gs	Method	GENSCAN
Start	3549	End	15627
GI	none	Score	.56
Exons	3549..4148, 4226..4624, 4877..4913, 5123..5311, 5656..5876, 6968..7279, 7347..7447, 7487..7598, 10550..10668, 11521..11772, 12167..12548, 13825..13897, 14968..15111, 15539..15627		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84714	Strand	-

Start	3549	End	15627
Name	OJ991226_50.0317.C22.o1.np	Method	AAT/NAP
Start	3689	End	4493
GI	4558567	Score	127
Exons	3689..4148, 4226..4493		
GI Descrip.	(AC007138) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84715	Strand	-
Start	22547	End	26799
Name	OJ991226_50.0317.C22.o6.gs	Method	GENSCAN
Start	22547	End	26752
GI	none	Score	.83
Exons	22547..22648, 22878..22982, 23383..23542, 23648..23725, 23946..24087, 24204..24348, 24451..24513, 24605..24664, 25087..25161, 25307..25423, 25523..25753, 25863..25982, 26042..26151, 26232..26332, 26407..26513, 26657..26752		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84715	Strand	-
Start	22547	End	26799
Name	OJ991226_50.0317.C22.o3.np	Method	AAT/NAP
Start	22559	End	26799
GI	7190369	Score	856
Exons	22559..22648, 22878..22991, 23079..23171, 23383..23549, 24588..24958, 25080..25161, 25307..25423, 25523..25753, 25863..25982, 26075..26151, 26232..26332, 26407..26505, 26649..26799		
GI Descrip.	(AE002300) gcpE protein [Chlamydia muridarum]		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o5.tm	Method	TBLASTX:Maize
Start	4047	End	4543
GI	none	Score	239
Exons	4047..4151, 4229..4543		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o1.tw	Method	TBLASTX:Wheat
Start	9806	End	10180
GI	none	Score	132
Exons	9806..9901, 9891..9992, 10013..10180		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o4.tm	Method	TBLASTX:Maize
Start	9898	End	10375
GI	none	Score	72
Exons	9898..9930, 10007..10375, 10158..10295		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414

Name	OJ991226_50.0317.C22.o7.tm	Method	TBLASTX:Maize
Start	18368	End	19258
GI	none	Score	157
Exons	18368..18496, 18382..18492, 18598..18663, 19181..19258, 19189..19254		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o6.tm	Method	TBLASTX:Maize
Start	21083	End	33168
GI	none	Score	62
Exons	21083..21133, 21210..21275, 21737..22069, 21871..21993, 22058..22090, 22059..22100, 22084..22182, 31610..31756, 31641..31745, 31907..32101, 32311..32406, 32954..32992, 33103..33168		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o2.ts	Method	TBLASTX:Soybean
Start	22524	End	23727
GI	none	Score	107
Exons	22524..22649, 22530..22631, 22547..22672, 22547..22672, 22878..22982, 22878..22982, 22882..22983, 22883..22993, 23070..23171, 23074..23172, 23381..23452, 23383..23454, 23647..23727		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o3.tc	Method	TBLASTX:Cress
Start	22550	End	24519
GI	none	Score	106
Exons	22550..22672, 22551..22649, 22878..22976, 22878..22982, 22882..22983, 23070..23171, 23073..23171, 23074..23172, 23353..23544, 23383..23454, 23647..23727, 23945..24016, 24002..24088, 24193..24354, 24194..24355, 24451..24483, 24481..24519, 24482..24514		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o2.tm	Method	TBLASTX:Maize
Start	22878	End	25946
GI	none	Score	86
Exons	22878..22979, 22903..22980, 23076..23171, 25358..25432, 25359..25430, 25526..25753, 25527..25754, 25893..25946		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o1.tm	Method	TBLASTX:Maize
Start	23662	End	24509
GI	none	Score	69
Exons	23662..23727, 23663..23719, 23665..23727, 23666..23728, 23944..24087, 23945..24088, 23946..24098, 24193..24348,		

24199..24354, 24451..24507, 24453..24509, 24458..24508

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o4.ts	Method	TBLASTX:Soybean
Start	24002	End	24318
GI	none	Score	67
Exons	24002..24088, 24009..24089, 24193..24318, 24194..24316		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o1.ts	Method	TBLASTX:Soybean
Start	24967	End	26277
GI	none	Score	59
Exons	24967..25005, 24969..25007, 25088..25132, 25093..25131, 25128..25163, 25129..25158, 25305..25424, 25307..25432, 25339..25440, 25526..25753, 25527..25754, 25606..25755, 25849..25983, 25849..25983, 25860..25985, 25860..25985, 26072..26152, 26227..26277, 26228..26275		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o1.tc	Method	TBLASTX:Cress
Start	25364	End	26098
GI	none	Score	77
Exons	25364..25432, 25365..25424, 25526..25753, 25527..25754, 25600..25755, 25855..25983, 25860..25985, 25861..25986, 26072..26098		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o2.tc	Method	TBLASTX:Cress
Start	26099	End	27175
GI	none	Score	139
Exons	26099..26152, 26227..26334, 26228..26335, 26412..26516, 26413..26547, 26654..26818, 26657..26806, 26715..26819, 26914..27039, 26948..27034, 27061..27162, 27062..27175		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o3.tm	Method	TBLASTX:Maize
Start	26254	End	26782
GI	none	Score	70
Exons	26254..26310, 26258..26311, 26258..26311, 26417..26467, 26422..26514, 26424..26516, 26436..26537, 26650..26781, 26654..26782, 26654..26782		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o3.ts	Method	TBLASTX:Soybean
Start	26457	End	27144

GI	none	Score	64
Exons	26457..26513, 26463..26537, 26654..26818, 26672..26815, 26715..26819, 26914..27039, 27070..27144		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o8.tm	Method	TBLASTX:Maize
Start	27058	End	27282
GI	none	Score	177
Exons	27058..27207, 27059..27208, 27061..27282, 27066..27224		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o8.gs	Method	GENSCAN
Start	31574	End	33414
GI	none	Score	.79
Exons	31574..32095, 32209..32439, 32834..32991, 33120..33414		

Seq. No.	40916	Seq. ID	OJ991226_50.0317.C22
Gene No.	84716	Strand	-
Start	31574	End	33414
Name	OJ991226_50.0317.C22.o4.np	Method	AAT/NAP
Start	31601	End	33414
GI	7523500	Score	462
Exons	31601..32101, 32257..32405, 32612..32724, 32888..32991, 33120..33414		
GI Descrip.	(AP001633) ESTs AU075812(E60850),AU075811(E60850) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana lipase mRNA (U38916) [Oryza sativa]		

Seq. No.	40917	Seq. ID	OJ991226_50.0317.C23
Gene No.	84717	Strand	+
Start	1	End	4618
Name	OJ991226_50.0317.C23.o1.gp	Method	AAT/GAP
Start	1	End	1922
GI	21376_1.R1084	Score	651
Exons	1..196, 336..408, 1841..1922		
GI Descrip.	'3063442 4.0e-11 (AC003981) F22O13.6 [Arabidopsis thaliana]'		

Seq. No.	40917	Seq. ID	OJ991226_50.0317.C23
Gene No.	84717	Strand	+
Start	1	End	4618
Name	OJ991226_50.0317.C23.o2.np	Method	AAT/NAP
Start	1	End	4206
GI	5295955	Score	54
Exons	1..163, 3550..3618, 4156..4206		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	40917	Seq. ID	OJ991226_50.0317.C23
Gene No.	84717	Strand	+
Start	1	End	4618
Name	OJ991226_50.0317.C23.o1.tm	Method	TBLASTX:Maize
Start	4	End	2126
GI	none	Score	39

Exons	4..21, 5..22, 12..86, 16..150, 17..163, 333..413, 338..409, 1839..1931, 1839..1931, 1840..1932, 2050..2109, 2052..2117, 2052..2126		
Seq. No.	40917	Seq. ID	OJ991226_50.0317.C23
Gene No.	84717	Strand	+
Start	1	End	4618
Name	OJ991226_50.0317.C23.o1.gs	Method	GENSCAN
Start	35	End	4618
GI	none	Score	.86
Exons	35..196, 336..408, 1841..1930, 2053..2108, 3061..3232, 3550..3668, 4115..4618		
Seq. No.	40917	Seq. ID	OJ991226_50.0317.C23
Gene No.	84717	Strand	+
Start	1	End	4618
Name	OJ991226_50.0317.C23.o1.np	Method	AAT/NAP
Start	35	End	1631
GI	7485996	Score	141
Exons	35..196, 336..412, 1575..1631		
GI Descrip.	hypothetical protein F22O13.6 - Arabidopsis thaliana gi|3063442|gb|AAC14030.1| (AC003981) F22O13.6 [Arabidopsis thaliana]		
Seq. No.	40917	Seq. ID	OJ991226_50.0317.C23
Gene No.	84717	Strand	+
Start	1	End	4618
Name	OJ991226_50.0317.C23.o2.gp	Method	AAT/GAP
Start	1841	End	2111
GI	2798421	Score	221
Exons	1841..1930, 2053..2111		
Seq. No.	40918	Seq. ID	OJ991226_50.0317.C24
Gene No.	84718	Strand	+
Start	413	End	1195
Name	OJ991226_50.0317.C24.o1.gs	Method	GENSCAN
Start	413	End	1191
GI	none	Score	.47
Exons	413..581, 642..884, 1075..1191		
Seq. No.	40918	Seq. ID	OJ991226_50.0317.C24
Gene No.	84718	Strand	+
Start	413	End	1195
Name	OJ991226_50.0317.C24.o1.tm	Method	TBLASTX:Maize
Start	713	End	1191
GI	none	Score	82
Exons	713..760, 718..762, 760..882, 773..883, 795..884, 1067..1150, 1068..1187, 1068..1187, 1069..1191		
Seq. No.	40918	Seq. ID	OJ991226_50.0317.C24
Gene No.	84718	Strand	+
Start	413	End	1195
Name	OJ991226_50.0317.C24.o1.np	Method	AAT/NAP
Start	729	End	1195
GI	3763933	Score	273
Exons	729..884, 1075..1195		
GI Descrip.	(AC004450) unknown protein [Arabidopsis thaliana]		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o1.np	Method	AAT/NAP
Start	895	End	5718
GI	7485877	Score	1187
Exons	895..955, 1457..1643, 1754..1876, 1948..2032, 2315..2423, 2517..2584, 2678..2803, 2915..3308, 3390..4002, 4291..4497, 4601..4661, 4928..5041, 5458..5571, 5645..5718		
GI Descrip.	hypothetical protein F20D22.9 - Arabidopsis thaliana gi|3142301|gb|AAC16752.1| (AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb|Q05946. ESTs gb|N65081 gb|Z30910, gb|Z34190, gb|Z34611, gb|R30101, gb|H36304, and gb|N>		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o1.gs	Method	GENSCAN
Start	1364	End	14490
GI	none	Score	.67
Exons	1364..1397, 1760..1876, 2517..2584, 2678..2803, 2915..4002, 4291..4497, 4601..4661, 4928..5041, 5458..5571, 6425..6510, 7349..7506, 8042..8135, 8519..8587, 8996..9090, 9906..10069, 10856..11089, 11431..11574, 11728..11829, 13204..13356, 13589..13689, 14070..14490		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o1.gp	Method	AAT/GAP
Start	3441	End	3768
GI	none	Score	652
Exons	3441..3768		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o2.gp	Method	AAT/GAP
Start	6339	End	6755
GI	none	Score	806
Exons	6339..6755		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o3.gp	Method	AAT/GAP
Start	8764	End	11021
GI	26789_1.R1084	Score	868
Exons	8764..8883, 8996..9090, 10771..11021		
GI Descrip.	'1170242/sp|P42045|HEMZ_HORVU 6.0e-21 FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) >gi_474966_dbj_BAA05101_ (D26105) ferrochelatase [Hordeum vulgare]'		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o2.np	Method	AAT/NAP
Start	9008	End	14487
GI	7437214	Score	1799
Exons	9008..9087, 10771..11089, 11431..11574, 11728..11829, 12133..12236, 12386..12512, 13204..13356, 13589..13689, 14175..14487		
GI Descrip.	probable ferrochelatase (EC 4.99.1.1) - barley gi|2460251|gb|AAB71887.1| (AF020791) ferrochelatase [Hordeum vulgare]		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84719	Strand	+
Start	895	End	14490
Name	OJ991226_49.0317.C4.o4.gp	Method	AAT/GAP
Start	13227	End	14270
GI	61190_1.R1084	Score	594
Exons	13227..13356, 13589..13689, 14175..14270		
GI Descrip.	'1170242/sp|P42045|HEMZ_HORVU 4.0e-54 FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) >gi_474966_dbj_BAA05101_ (D26105) ferrochelatase [Hordeum vulgare]'		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o4.tm	Method	TBLASTX:Maize
Start	1488	End	1974
GI	none	Score	105
Exons	1488..1556, 1489..1563, 1568..1645, 1568..1651, 1760..1876, 1761..1874, 1948..1974, 1949..1972		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o3.tc	Method	TBLASTX:Cress
Start	2315	End	2997
GI	none	Score	125
Exons	2315..2422, 2338..2412, 2519..2587, 2524..2586, 2675..2803, 2677..2802, 2911..2997, 2912..2995		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o3.ts	Method	TBLASTX:Soybean
Start	2315	End	3003
GI	none	Score	132
Exons	2315..2422, 2329..2412, 2519..2587, 2524..2583, 2675..2806, 2680..2808, 2683..2805, 2913..2999, 2914..3003, 2923..3003		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o7.tm	Method	TBLASTX:Maize
Start	2761	End	3113

GI	none	Score	71
Exons	2761..2805, 2765..2806, 2912..3112, 2914..3111, 3021..3113		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o2.tm	Method	TBLASTX:Maize
Start	3491	End	4014
GI	none	Score	151
Exons	3491..3655, 3491..3646, 3514..3651, 3520..3657, 3522..3701, 3657..3731, 3662..3739, 3697..3738, 3698..3877, 3778..3876, 3863..4000, 3876..4001, 3883..4014, 3886..4002		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o4.ts	Method	TBLASTX:Soybean
Start	3530	End	5573
GI	none	Score	83
Exons	3530..3601, 3875..4000, 3889..4014, 4286..4366, 4297..4365, 4400..4501, 4602..4661, 4919..5068, 4927..5043, 5457..5573, 5458..5571		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o4.tc	Method	TBLASTX:Cress
Start	4286	End	5573
GI	none	Score	126
Exons	4286..4366, 4297..4365, 4409..4501, 4452..4484, 4601..4657, 4602..4661, 4912..5040, 4919..5068, 4919..5053, 4927..5088, 5458..5571, 5463..5573, 5466..5573		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o8.tm	Method	TBLASTX:Maize
Start	4602	End	5687
GI	none	Score	87
Exons	4602..4661, 4602..4661, 4912..5043, 4919..5068, 4925..5053, 5455..5571, 5457..5573, 5458..5571, 5639..5683, 5643..5687		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o3.tm	Method	TBLASTX:Maize
Start	10768	End	11817
GI	none	Score	107
Exons	10768..10815, 10782..11003, 10809..10967, 10810..10971, 10811..11020, 10931..11089, 10954..11094, 11417..11575, 11423..11575, 11427..11579, 11430..11579, 11479..11583, 11724..11816, 11725..11814, 11776..11817		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o2.ts	Method	TBLASTX:Soybean

Start	10910	End	14490
GI	none	Score	158
Exons	10910..11089, 10984..11094, 11430..11570, 11431..11574, 11479..11574, 11725..11832, 11776..11835, 12132..12245, 12133..12237, 12380..12514, 12384..12515, 13201..13356, 13203..13328, 13204..13356, 13583..13687, 13586..13687, 13587..13688, 13588..13710, 14169..14324, 14170..14490, 14174..14260, 14176..14331, 14400..14477		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o2.tc	Method	TBLASTX:Cress
Start	10961	End	14478
GI	none	Score	158
Exons	10961..11089, 10972..11094, 11430..11573, 11479..11574, 11715..11819, 11725..11832, 11776..11835, 12130..12228, 12132..12242, 12133..12237, 12380..12514, 12384..12515, 12384..12524, 12404..12523, 13201..13347, 13203..13340, 13203..13349, 13204..13356, 13580..13684, 13583..13687, 13588..13710, 14168..14317, 14169..14327, 14170..14349, 14172..14387, 14368..14478, 14406..14477		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o6.tm	Method	TBLASTX:Maize
Start	12383	End	12515
GI	none	Score	218
Exons	12383..12514, 12384..12515		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o5.tm	Method	TBLASTX:Maize
Start	13201	End	14379
GI	none	Score	91
Exons	13201..13326, 13203..13346, 13203..13334, 13204..13356, 13559..13687, 13565..13681, 13588..13710, 14170..14379, 14170..14325		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o5.gp	Method	AAT/GAP
Start	15252	End	16470
GI	13023_1.R1084	Score	1340
Exons	15252..15700, 15795..15920, 16331..16470		
GI Descrip.	'4510363/gb|AAD21451.1| 6.0e-67 (AC007017) putative DNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o2.gs	Method	GENSCAN
Start	15382	End	16454
GI	none	Score	.84

Exons	15382..15468, 15590..15700, 15795..15920, 16331..16454		
Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o1.tm	Method	TBLASTX:Maize
Start	15536	End	16471
GI	none	Score	181
Exons	15536..15700, 15536..15700, 15546..15713, 15561..15710, 15562..15714, 15790..15921, 15792..15920, 16309..16470, 16331..16471, 16331..16471		
Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o1.tw	Method	TBLASTX:Wheat
Start	15551	End	16437
GI	none	Score	175
Exons	15551..15700, 15561..15701, 15561..15701, 15790..15921, 15792..15920, 15795..15923, 16331..16432, 16342..16425, 16342..16437		
Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o1.tc	Method	TBLASTX:Cress
Start	15560	End	15923
GI	none	Score	140
Exons	15560..15700, 15561..15701, 15786..15923, 15792..15920		
Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o1.ts	Method	TBLASTX:Soybean
Start	15560	End	16503
GI	none	Score	151
Exons	15560..15700, 15561..15701, 15613..15705, 15792..15920, 15798..15914, 16324..16503, 16331..16471		
Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o3.np	Method	AAT/NAP
Start	15563	End	16501
GI	4510363	Score	603
Exons	15563..15700, 15795..15920, 16331..16501		
GI Descrip.	(AC007017) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		
Seq. No.	40919	Seq. ID	OJ991226_49.0317.C4
Gene No.	84720	Strand	-
Start	15382	End	16503
Name	OJ991226_49.0317.C4.o5.tc	Method	TBLASTX:Cress
Start	16325	End	16503
GI	none	Score	158
Exons	16325..16471, 16328..16471, 16335..16475, 16339..16503, 16339..16476		

Seq. No.	40920	Seq. ID	OJ991226_49.0317.C5
Gene No.	84721	Strand	+
Start	168	End	1023
Name	OJ991226_49.0317.C5.o1.gs	Method	GENSCAN
Start	168	End	1023
GI	none	Score	.93
Exons	168..419, 804..911, 925..1023		

Seq. No.	40920	Seq. ID	OJ991226_49.0317.C5
Gene No.	84722	Strand	-
Start	192	End	1033
Name	OJ991226_49.0317.C5.o1.np	Method	AAT/NAP
Start	192	End	1033
GI	6815062	Score	763
Exons	192..424, 479..499, 798..1033		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40921	Seq. ID	OJ991226_49.0317.C6
Gene No.	84723	Strand	+
Start	12951	End	15392
Name	OJ991226_49.0317.C6.o2.np	Method	AAT/NAP
Start	12951	End	15392
GI	5295955	Score	563
Exons	12951..13020, 13563..13677, 14297..14324, 14373..14683, 14820..15392		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	40921	Seq. ID	OJ991226_49.0317.C6
Gene No.	84724	Strand	-
Start	766	End	5748
Name	OJ991226_49.0317.C6.o2.tm	Method	TBLASTX:Maize
Start	757	End	3998
GI	none	Score	65
Exons	757..822, 758..823, 768..821, 894..977, 895..966, 895..1017, 3811..3903, 3813..3905, 3939..3998, 3949..3984		

Seq. No.	40921	Seq. ID	OJ991226_49.0317.C6
Gene No.	84724	Strand	-
Start	766	End	5748
Name	OJ991226_49.0317.C6.o1.gp	Method	AAT/GAP
Start	766	End	4226
GI	13862_1.R1084	Score	1055
Exons	766..820, 894..970, 3803..4226		
GI Descrip.	'4835766/gb|AAD30233.1|AC007202_15 1.0e-40 (AC007202) Contains similarity to gb_AB017693 transfactor (WERBP-1) from Nicotiana tabacum. ESTs gb_H39299, gb_T41875, gb_H38232 and gb_N38325 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	40921	Seq. ID	OJ991226_49.0317.C6
Gene No.	84724	Strand	-
Start	766	End	5748
Name	OJ991226_49.0317.C6.o1.np	Method	AAT/NAP
Start	777	End	5748

GI	4835766	Score	208
Exons	777..820, 894..970, 3803..3901, 5673..5748		
GI Descrip.	(AC007202) Contains similarity to gb|AB017693 transfactor (WERBP-1) from Nicotiana tabacum. ESTs gb|H39299, gb|T41875, gb|H38232 and gb|N38325 come from this gene. [Arabidopsis thaliana]		

Seq. No.	40921	Seq. ID	OJ991226_49.0317.C6
Gene No.	84725	Strand	
Start	12498	End	12741
Name	OJ991226_49.0317.C6.o1.tm	Method	TBLASTX:Maize
Start	12498	End	12741
GI	none	Score	60
Exons	12498..12557, 12499..12558, 12499..12558, 12543..12695, 12547..12741, 12555..12662		

Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84726	Strand	+
Start	6874	End	11225
Name	OJ991226_49.0317.C7.o3.gs	Method	GENSCAN
Start	6874	End	9981
GI	none	Score	.58
Exons	6874..8063, 8565..9981		

Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84726	Strand	+
Start	6874	End	11225
Name	OJ991226_49.0317.C7.o1.np	Method	AAT/NAP
Start	6931	End	9966
GI	5823575	Score	758
Exons	6931..7461, 7500..8063, 8538..8857, 9068..9606, 9874..9966		
GI Descrip.	(AL049730) putative protein [Arabidopsis thaliana]		

Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84726	Strand	+
Start	6874	End	11225
Name	OJ991226_49.0317.C7.o1.gp	Method	AAT/GAP
Start	7424	End	7749
GI	2312064	Score	623
Exons	7424..7749		

Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84726	Strand	+
Start	6874	End	11225
Name	OJ991226_49.0317.C7.o2.gp	Method	AAT/GAP
Start	8671	End	9138
GI	uC-osflcyp046d11b1	Score	868
Exons	8671..9138		
GI Descrip.	'5823575/emb|CAB53757.1| 5.0e-10 (AL049730) putative protein [Arabidopsis thaliana]'		

Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84726	Strand	+
Start	6874	End	11225
Name	OJ991226_49.0317.C7.o3.gp	Method	AAT/GAP
Start	9813	End	11225
GI	none	Score	862

Exons	9813..9988, 10957..11225		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84727	Strand	-
Start	314	End	408
Name	OJ991226_49.0317.C7.o1.gs	Method	GENSCAN
Start	314	End	408
GI	none	Score	.66
Exons	314..408		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84728	Strand	-
Start	2132	End	4309
Name	OJ991226_49.0317.C7.o2.gs	Method	GENSCAN
Start	2132	End	4194
GI	none	Score	.42
Exons	2132..2226, 3239..3333, 3896..4194		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84728	Strand	-
Start	2132	End	4309
Name	OJ991226_49.0317.C7.o4.tm	Method	TBLASTX:Maize
Start	4060	End	4309
GI	none	Score	277
Exons	4060..4308, 4061..4309		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84729	Strand	
Start	7046	End	7347
Name	OJ991226_49.0317.C7.o3.tm	Method	TBLASTX:Maize
Start	7046	End	7347
GI	none	Score	282
Exons	7046..7273, 7047..7274, 7048..7272, 7273..7347, 7273..7347		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84730	Strand	
Start	7971	End	8940
Name	OJ991226_49.0317.C7.o1.ts	Method	TBLASTX:Soybean
Start	7971	End	8766
GI	none	Score	155
Exons	7971..8051, 7972..8064, 8528..8758, 8538..8762, 8539..8766		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84730	Strand	
Start	7971	End	8940
Name	OJ991226_49.0317.C7.o1.tm	Method	TBLASTX:Maize
Start	7976	End	8940
GI	none	Score	151
Exons	7976..8062, 7978..8064, 7980..8063, 8524..8859, 8538..8861, 8539..8859, 8818..8940		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84730	Strand	
Start	7971	End	8940
Name	OJ991226_49.0317.C7.o1.tc	Method	TBLASTX:Cress
Start	7987	End	8820
GI	none	Score	120

Exons	7987..8064, 7989..8048, 8537..8809, 8538..8819, 8539..8820		
Seq. No.	40922	Seq. ID	OJ991226_49.0317.C7
Gene No.	84731	Strand	
Start	9467	End	9997
Name	OJ991226_49.0317.C7.o2.tm	Method	TBLASTX:Maize
Start	9467	End	9997
GI	none	Score	49
Exons	9467..9511, 9468..9512, 9468..9512, 9492..9659, 9508..9582, 9510..9584, 9585..9863, 9670..9828, 9728..9874, 9793..9876, 9796..9990, 9857..9997, 9878..9991, 9885..9992		
Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84732	Strand	+
Start	831	End	2091
Name	OJ991226_49.0317.C8.o1.gs	Method	GENSCAN
Start	831	End	2091
GI	none	Score	.5
Exons	831..1068, 1136..1167, 1323..1405, 1974..2091		
Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84733	Strand	+
Start	9656	End	15730
Name	OJ991226_49.0317.C8.o2.gs	Method	GENSCAN
Start	9656	End	14199
GI	none	Score	.92
Exons	9656..9791, 10236..10381, 11529..11621, 12841..14199		
Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84733	Strand	+
Start	9656	End	15730
Name	OJ991226_49.0317.C8.o1.np	Method	AAT/NAP
Start	12841	End	15730
GI	3928084	Score	231
Exons	12841..13708, 15665..15730		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o3.tm	Method	TBLASTX:Maize
Start	9726	End	13047
GI	none	Score	86
Exons	9726..9821, 11559..11621, 11566..11628, 11566..11619, 12827..12919, 12840..12875, 12879..13010, 12880..13011, 13006..13047, 13012..13047		
Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o1.tm	Method	TBLASTX:Maize
Start	13374	End	13881
GI	none	Score	406
Exons	13374..13721, 13377..13727, 13387..13728, 13695..13865, 13726..13881, 13732..13881		

Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o2.tm	Method	TBLASTX:Maize
Start	13882	End	14428
GI	none	Score	105
Exons	13882..14118, 13889..14065, 13933..14085, 14086..14121, 14089..14121, 14101..14208, 14110..14208, 14141..14233, 14289..14339, 14399..14428		

Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o1.tw	Method	TBLASTX:Wheat
Start	14086	End	14386
GI	none	Score	167
Exons	14086..14199, 14089..14199, 14135..14236, 14141..14245, 14244..14294, 14246..14290, 14354..14386, 14360..14386		

Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o1.gp	Method	AAT/GAP
Start	14955	End	15797
GI	uC-osf1cyp066d12a1	Score	944
Exons	14955..15238, 15492..15624, 15717..15797		
GI Descrip.	'5701965/emb|CAB52157.1| 2.0e-09 (AL109736) WD repeat protein [Schizosaccharomyces pombe]'		

Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o3.gs	Method	GENSCAN
Start	15204	End	16166
GI	none	Score	.89
Exons	15204..15238, 15492..15624, 15717..15795, 16114..16166		

Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o3.np	Method	AAT/NAP
Start	15459	End	17011
GI	7299015	Score	158
Exons	15459..15624, 15717..15795, 16027..16117, 16983..17011		
GI Descrip.	(AE003678) CG9615 gene product [Drosophila melanogaster]		

Seq. No.	40923	Seq. ID	OJ991226_49.0317.C8
Gene No.	84734	Strand	-
Start	14955	End	17011
Name	OJ991226_49.0317.C8.o1.tc	Method	TBLASTX:Cress
Start	15511	End	15792
GI	none	Score	128
Exons	15511..15636, 15512..15637, 15726..15791, 15733..15792		

Seq. No.	40924	Seq. ID	OJ991226_49.0317.C9
Gene No.	84735	Strand	-
Start	286	End	2375

Name	OJ991226_49.0317.C9.o1.np	Method	AAT/NAP
Start	286	End	2375
GI	7299015	Score	159
Exons	286..354, 893..981, 1347..1470, 1997..2092, 2282..2375		
GI Descrip.	(AE003678) CG9615 gene product [Drosophila melanogaster]		

Seq. No.	40924	Seq. ID	OJ991226_49.0317.C9
Gene No.	84736	Strand	-
Start	3741	End	4022
Name	OJ991226_49.0317.C9.o1.gp	Method	AAT/GAP
Start	3741	End	4022
GI	31877_1.R1084	Score	213
Exons	3741..3818, 3953..4022		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	40924	Seq. ID	OJ991226_49.0317.C9
Gene No.	84737	Strand	-
Start	4818	End	5646
Name	OJ991226_49.0317.C9.o1.tm	Method	TBLASTX:Maize
Start	891	End	2807
GI	none	Score	120
Exons	891..980, 892..987, 893..979, 898..990, 1345..1476, 1346..1477, 1406..1483, 1988..2092, 1998..2093, 2741..2806, 2742..2807		

Seq. No.	40924	Seq. ID	OJ991226_49.0317.C9
Gene No.	84737	Strand	-
Start	4818	End	5646
Name	OJ991226_49.0317.C9.o1.tc	Method	TBLASTX:Cress
Start	896	End	2093
GI	none	Score	118
Exons	896..970, 1345..1476, 1346..1474, 1997..2092, 2001..2093		

Seq. No.	40924	Seq. ID	OJ991226_49.0317.C9
Gene No.	84737	Strand	-
Start	4818	End	5646
Name	OJ991226_49.0317.C9.o1.ts	Method	TBLASTX:Soybean
Start	1354	End	2785
GI	none	Score	114
Exons	1354..1473, 1355..1480, 1997..2092, 2001..2093, 2741..2785		

Seq. No.	40924	Seq. ID	OJ991226_49.0317.C9
Gene No.	84737	Strand	-
Start	4818	End	5646
Name	OJ991226_49.0317.C9.o3.np	Method	AAT/NAP
Start	4818	End	5646
GI	7248394	Score	151
Exons	4818..5188, 5572..5646		
GI Descrip.	(AP001389) ESTs C97394(C60113),AU075824(R0165),D38985(R0165) correspond to a region of the predicted gene.~Similar to Arabidopsis thaliana chromosome II BAC F15O11 genomic sequence; putative pol polyprotein with a reverse transcriptase domain (AC006446)		

Seq. No.	40925	Seq. ID	OJ991226_49.0317.C10
Gene No.	84738	Strand	+
Start	4276	End	5648

Name	OJ991226_49.0317.C10.o2.gs	Method	GENSCAN
Start	4276	End	5648
GI	none	Score	.62
Exons	4276..4406, 4813..4910, 5046..5092, 5145..5321, 5529..5648		

Seq. No.	40925	Seq. ID	OJ991226_49.0317.C10
Gene No.	84739	Strand	-
Start	4128	End	5913
Name	OJ991226_49.0317.C10.o1.np	Method	AAT/NAP
Start	4128	End	5913
GI	7531109	Score	231
Exons	4128..4181, 5072..5595, 5853..5913		
GI Descrip.	ETHYLENE RESPONSIVE ELEMENT BINDING FACTOR 3 (ATERF3) gi|3434971|dbj|BAA32420.1| (AB008105) ethylene responsive element binding factor 3 [Arabidopsis thaliana]		

Seq. No.	40925	Seq. ID	OJ991226_49.0317.C10
Gene No.	84740	Strand	-
Start	6721	End	7339
Name	OJ991226_49.0317.C10.o1.tc	Method	TBLASTX:Cress
Start	5075	End	5582
GI	none	Score	67
Exons	5075..5203, 5079..5192, 5252..5293, 5385..5414, 5471..5578, 5502..5582		

Seq. No.	40925	Seq. ID	OJ991226_49.0317.C10
Gene No.	84740	Strand	-
Start	6721	End	7339
Name	OJ991226_49.0317.C10.o1.ts	Method	TBLASTX:Soybean
Start	5081	End	5588
GI	none	Score	45
Exons	5081..5197, 5252..5293, 5391..5414, 5393..5410, 5471..5581, 5496..5588, 5499..5582		

Seq. No.	40925	Seq. ID	OJ991226_49.0317.C10
Gene No.	84740	Strand	-
Start	6721	End	7339
Name	OJ991226_49.0317.C10.o3.gs	Method	GENSCAN
Start	6721	End	7339
GI	none	Score	.58
Exons	6721..7104, 7166..7339		

Seq. No.	40926	Seq. ID	OJ991226_49.0317.C11
Gene No.	84741	Strand	-
Start	379	End	1083
Name	OJ991226_49.0317.C11.o1.gs	Method	GENSCAN
Start	379	End	1083
GI	none	Score	.6
Exons	379..455, 1011..1083		

Seq. No.	40927	Seq. ID	OJ991226_49.0317.C12
Gene No.	84742	Strand	+
Start	938	End	1018
Name	OJ991226_49.0317.C12.o1.gs	Method	GENSCAN
Start	938	End	1018
GI	none	Score	.73
Exons	938..1018		

Seq. No.	40927	Seq. ID	OJ991226_49.0317.C12
Gene No.	84743	Strand	+
Start	1822	End	3331
Name	OJ991226_49.0317.C12.o2.gs	Method	GENSCAN
Start	1822	End	3331
GI	none	Score	.78
Exons	1822..1843, 2538..2565, 3168..3331		

Seq. No.	40927	Seq. ID	OJ991226_49.0317.C12
Gene No.	84744	Strand	-
Start	1	End	420
Name	OJ991226_49.0317.C12.o1.np	Method	AAT/NAP
Start	1	End	420
GI	7523494	Score	210
Exons	1..420		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40927	Seq. ID	OJ991226_49.0317.C12
Gene No.	84745	Strand	-
Start	982	End	2555
Name	OJ991226_49.0317.C12.o2.np	Method	AAT/NAP
Start	982	End	2555
GI	4680186	Score	163
Exons	982..1058, 1667..1790, 2391..2555		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84746	Strand	+
Start	708	End	8329
Name	OJ991226_49.0317.C13.o1.gs	Method	GENSCAN
Start	708	End	7772
GI	none	Score	.88
Exons	708..748, 929..1211, 1436..1735, 2058..2133, 4007..4252, 4489..4574, 4875..5171, 5655..5924, 6015..6194, 6374..6477, 6578..6689, 6869..6967, 7041..7160, 7656..7772		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84746	Strand	+
Start	708	End	8329
Name	OJ991226_49.0317.C13.o1.np	Method	AAT/NAP
Start	925	End	3872
GI	6815107	Score	412
Exons	925..1756, 3815..3872		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84746	Strand	+
Start	708	End	8329
Name	OJ991226_49.0317.C13.o2.np	Method	AAT/NAP
Start	4002	End	7769
GI	1707940	Score	1918
Exons	4002..4252, 4875..5171, 5655..5924, 6015..6194, 6374..6477, 6578..6689, 6869..6967, 7041..7160, 7656..7769		
GI Descrip.	GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE		

B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) gi|2130036|pir||S61479 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) small chain B - barley gi|1143502|emb|CAA88450| (Z48563) ADP-glucose pyrophosphorylase small subunit [Hordeum v

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84746	Strand	+
Start	708	End	8329
Name	OJ991226_49.0317.C13.o1.gp	Method	AAT/GAP
Start	4946	End	5096
GI	LIB3477-006-P1-K1-A5	Score	281
Exons	4946..5096		
GI Descrip.	'5917789/gb|AAD56041.1|AF184597_1 9.0e-19 (AF184597) ADP-glucose pyrophosphorylase small subunit [Citrus unshiu]'		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84746	Strand	+
Start	708	End	8329
Name	OJ991226_49.0317.C13.o2.gp	Method	AAT/GAP
Start	5768	End	8329
GI	5480_1.R1084	Score	2262
Exons	5768..5924, 6015..6194, 6374..6477, 6578..6689, 6869..6967, 7041..7160, 7656..7799, 8008..8329		
GI Descrip.	'232172/sp|P30523|GLGS_WHEAT 1.0e-147 GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) >gi_481816_pir__S39504 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) - wheat >gi_21687_emb_CAA46879_ (X66080) ADP-glucose pyrophosphorylase [Triticum aestivum]'		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84747	Strand	+
Start	19586	End	20203
Name	OJ991226_49.0317.C13.o3.gs	Method	GENSCAN
Start	19586	End	20203
GI	none	Score	.98
Exons	19586..20203		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84748	Strand	+
Start	21236	End	21833
Name	OJ991226_49.0317.C13.o3.gp	Method	AAT/GAP
Start	21143	End	21687
GI	uC-osflcyp144h08b1	Score	881
Exons	21143..21317, 21391..21687		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-20 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84748	Strand	+
Start	21236	End	21833
Name	OJ991226_49.0317.C13.o4.np	Method	AAT/NAP
Start	21230	End	21827
GI	3868853	Score	319
Exons	21230..21348, 21422..21827		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84748	Strand	+
Start	21236	End	21833
Name	OJ991226_49.0317.C13.o4.gs	Method	GENSCAN
Start	21236	End	21833
GI	none	Score	.99
Exons	21236..21317, 21391..21833		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84749	Strand	+
Start	23159	End	25013
Name	OJ991226_49.0317.C13.o5.gs	Method	GENSCAN
Start	23159	End	25013
GI	none	Score	.53
Exons	23159..23161, 24225..24688, 24929..25013		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84749	Strand	+
Start	23159	End	25013
Name	OJ991226_49.0317.C13.o5.gp	Method	AAT/GAP
Start	24198	End	24656
GI	none	Score	910
Exons	24198..24656		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84750	Strand	-
Start	9119	End	18614
Name	OJ991226_49.0317.C13.o2.gs	Method	GENSCAN
Start	9119	End	18614
GI	none	Score	.7
Exons	9119..9256, 9349..9514, 9848..9951, 10312..10416, 10503..10559, 11516..11569, 11762..11845, 11923..11990, 12207..12298, 12963..13150, 13292..13407, 13438..13641, 14296..14482, 15209..15423, 15460..15493, 16282..16545, 16628..16727, 18219..18376, 18450..18614		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84750	Strand	-
Start	9119	End	18614
Name	OJ991226_49.0317.C13.o3.np	Method	AAT/NAP
Start	9136	End	13381
GI	3790102	Score	1680
Exons	9136..9256, 9349..9514, 9848..9951, 10047..10163, 10312..10416, 10503..10559, 10643..10687, 10769..10879, 10961..11034, 11163..11256, 11351..11431, 11516..11569, 11762..11845, 11923..11990, 12207..12320, 12402..12476, 12657..12769, 12963..13129, 13292..13381		
GI Descrip.	(AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]		

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o6.tm	Method	TBLASTX:Maize
Start	938	End	1307
GI	none	Score	171

Exons	938..1120, 939..1130, 939..1130, 1142..1255, 1143..1307		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o2.ts	Method	TBLASTX:Soybean
Start	4177	End	5844
GI	none	Score	100
Exons	4177..4275, 4178..4249, 4874..5080, 4875..5171, 4875..5171, 5647..5832, 5652..5843, 5653..5844, 5654..5842		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o1.tc	Method	TBLASTX:Cress
Start	4178	End	7774
GI	none	Score	98
Exons	4178..4252, 4874..5080, 4875..5171, 4875..5171, 5647..5829, 5652..5927, 5654..5926, 5996..6196, 5997..6200, 6012..6197, 6013..6267, 6373..6477, 6374..6475, 6575..6688, 6576..6689, 6856..6921, 6866..6967, 6869..6991, 7032..7169, 7040..7159, 7649..7774, 7650..7772		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o8.tm	Method	TBLASTX:Maize
Start	4874	End	7111
GI	none	Score	95
Exons	4874..4969, 4875..4967, 6621..6689, 6623..6688, 6858..6968, 6869..6991, 6869..6982, 7032..7106, 7040..7111, 7076..7111		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o1.tm	Method	TBLASTX:Maize
Start	4917	End	6620
GI	none	Score	40
Exons	4917..4946, 4919..4945, 4970..5080, 4971..5171, 4971..5171, 4972..5178, 5629..5832, 5645..5935, 5648..5923, 5652..5945, 5967..6197, 6009..6200, 6028..6258, 6373..6477, 6374..6475, 6575..6619, 6576..6620		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o1.tw	Method	TBLASTX:Wheat
Start	5738	End	6200
GI	none	Score	284
Exons	5738..5926, 5748..5927, 5996..6196, 6009..6200, 6015..6197		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o4.ts	Method	TBLASTX:Soybean
Start	5861	End	7823
GI	none	Score	93

Exons	5861..5926, 5862..5927, 6009..6200, 6010..6195, 6014..6196, 6373..6477, 6374..6475, 6572..6682, 6575..6688, 6576..6689, 6866..6967, 6869..6991, 7032..7169, 7039..7158, 7040..7159, 7649..7780, 7650..7781, 7653..7823, 7669..7818		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o2.tm	Method	TBLASTX:Maize
Start	7112	End	8312
GI	none	Score	78
Exons	7112..7159, 7112..7159, 7113..7163, 7114..7161, 7648..7800, 7649..7801, 7649..7801, 7653..7802, 7996..8310, 7997..8311, 7998..8312, 7998..8312		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o4.tm	Method	TBLASTX:Maize
Start	9119	End	10353
GI	none	Score	149
Exons	9119..9277, 9135..9257, 9346..9513, 9348..9476, 9413..9505, 9762..9947, 9842..9949, 9848..9952, 9850..9951, 10032..10160, 10048..10161, 10291..10353		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o3.tc	Method	TBLASTX:Cress
Start	9158	End	9471
GI	none	Score	93
Exons	9158..9280, 9162..9290, 9346..9471		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o1.ts	Method	TBLASTX:Soybean
Start	9161	End	13384
GI	none	Score	79
Exons	9161..9280, 9162..9257, 9345..9479, 9346..9513, 9413..9514, 9850..9951, 9854..9949, 10046..10162, 10050..10163, 10054..10164, 10309..10416, 10310..10417, 10503..10562, 10640..10678, 10757..10888, 10773..10883, 10961..11035, 10971..11036, 11137..11256, 11165..11248, 11342..11425, 11343..11432, 11501..11572, 11756..11848, 11757..11846, 11920..11991, 11920..12090, 12200..12298, 12205..12339, 12400..12480, 12401..12478, 12655..12771, 12656..12772, 12929..12997, 12987..13130, 13010..13135, 13292..13384		
Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o3.tm	Method	TBLASTX:Maize
Start	10354	End	11794
GI	none	Score	75
Exons	10354..10416, 10361..10417, 10503..10562, 10640..10678, 10772..10867, 10937..11035, 11137..11256, 11168..11248,		

11176..11256, 11342..11425, 11343..11432, 11348..11434,
11350..11433, 11501..11572, 11517..11570, 11756..11794

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o7.tm	Method	TBLASTX:Maize
Start	11795	End	13394
GI	none	Score	83

Exons 11795..11848, 11796..11846, 11915..11995, 11920..12006,
11923..12003, 12200..12292, 12205..12306, 12205..12333,
12398..12484, 12400..12477, 12400..12492, 12401..12478,
12651..12770, 12655..12771, 12655..12771, 12656..12772,
12971..13135, 13008..13130, 13289..13342, 13292..13345,
13296..13355, 13328..13393, 13335..13394

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o3.ts	Method	TBLASTX:Soybean
Start	21434	End	21740
GI	none	Score	345

Exons 21434..21718, 21441..21740

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o5.tm	Method	TBLASTX:Maize
Start	21434	End	21685
GI	none	Score	340

Exons 21434..21670, 21441..21665, 21491..21685

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o2.tw	Method	TBLASTX:Wheat
Start	21437	End	21632
GI	none	Score	257

Exons 21437..21631, 21441..21632

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o2.tc	Method	TBLASTX:Cress
Start	21440	End	21709
GI	none	Score	372

Exons 21440..21709, 21441..21707

Seq. No.	40928	Seq. ID	OJ991226_49.0317.C13
Gene No.	84751	Strand	-
Start	22737	End	22838
Name	OJ991226_49.0317.C13.o4.gp	Method	AAT/GAP
Start	22737	End	22838
GI	LIB3477-003-P1-K1-E9	Score	145

Exons 22737..22838

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY
S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza

sativa]'

Seq. No.	40929	Seq. ID	OJ991226_49.0317.C14
Gene No.	84752	Strand	+
Start	313	End	1807
Name	OJ991226_49.0317.C14.o1.gs	Method	GENSCAN
Start	313	End	1753
GI	none	Score	.55
Exons	313..342, 1149..1499, 1571..1753		

Seq. No.	40929	Seq. ID	OJ991226_49.0317.C14
Gene No.	84752	Strand	+
Start	313	End	1807
Name	OJ991226_49.0317.C14.o1.gp	Method	AAT/GAP
Start	1620	End	1807
GI	none	Score	368
Exons	1620..1807		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84753	Strand	+
Start	1	End	3038
Name	OJ991226_49.0317.C15.o1.gp	Method	AAT/GAP
Start	1	End	1720
GI	69303_1.R1084	Score	922
Exons	1..74, 917..1039, 1133..1285, 1397..1482, 1607..1720		
GI Descrip.	'1778149 5.0e-80 (U66404) phosphate/phosphoenolpyrúvate translocator precursor [Zea mays]'		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84753	Strand	+
Start	1	End	3038
Name	OJ991226_49.0317.C15.o1.np	Method	AAT/NAP
Start	1	End	2712
GI	7489742	Score	1209
Exons	1..74, 917..1039, 1133..1285, 1397..1482, 1607..1691, 1981..2100, 2186..2254, 2426..2555, 2639..2712		
GI Descrip.	glucose-6-phosphate/phosphate-translocator precursor homolog - maize gi|1778147|gb|AAB40649.1| (U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84753	Strand	+
Start	1	End	3038
Name	OJ991226_49.0317.C15.o1.gs	Method	GENSCAN
Start	917	End	2715
GI	none	Score	.85
Exons	917..1039, 1133..1285, 1397..1482, 1607..1691, 1981..2100, 2186..2254, 2426..2555, 2639..2715		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84753	Strand	+
Start	1	End	3038
Name	OJ991226_49.0317.C15.o2.gp	Method	AAT/GAP
Start	2186	End	3038
GI	22470_1.R1084	Score	1164
Exons	2186..2254, 2426..2555, 2639..3038		
GI Descrip.	'1778147 1.0e-46 (U66403) phosphate/phosphoenolpyruvate		

translocator precursor [Zea mays]'

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84754	Strand	+
Start	6647	End	6788
Name	OJ991226_49.0317.C15.o3.np	Method	AAT/NAP
Start	6647	End	6788
GI	5852172	Score	102
Exons	6647..6788		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84755	Strand	+
Start	13422	End	13892
Name	OJ991226_49.0317.C15.o4.np	Method	AAT/NAP
Start	13422	End	13892
GI	6815062	Score	456
Exons	13422..13713, 13835..13892		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84755	Strand	+
Start	13422	End	13892
Name	OJ991226_49.0317.C15.o5.np	Method	AAT/NAP
Start	13438	End	13892
GI	6815062	Score	464
Exons	13438..13713, 13835..13892		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84756	Strand	-
Start	4720	End	6356
Name	OJ991226_49.0317.C15.o2.gs	Method	GENSCAN
Start	4720	End	6291
GI	none	Score	.89
Exons	4720..6291		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84756	Strand	-
Start	4720	End	6356
Name	OJ991226_49.0317.C15.o2.np	Method	AAT/NAP
Start	4729	End	6291
GI	7446727	Score	1555
Exons	4729..6291		
GI Descrip.	monosaccharid transport protein - fava bean gi|1935021|emb|CAB07812.1| (Z93775) monosaccharid transport protein [Vicia faba]		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84756	Strand	-
Start	4720	End	6356
Name	OJ991226_49.0317.C15.o3.gp	Method	AAT/GAP
Start	6019	End	6356

GI	LIB3477-003-P1-K1-F9	Score	656
Exons	6019..6356		
GI Descrip.	'100347/pir||S25015 4.0e-24 monosaccharide transport protein MST1 - common tobacco >gi_19885_emb_CAA47324_ (X66856) monosaccharid transporter [Nicotiana tabacum]'		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o3.tm	Method	TBLASTX:Maize
Start	3	End	2100
GI	none	Score	127
Exons	3..86, 913..1053, 914..1054, 1078..1287, 1148..1288, 1357..1503, 1361..1489, 1600..1680, 1607..1693, 1608..1691, 1969..2100, 1980..2099, 2038..2100		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o2.tc	Method	TBLASTX:Cress
Start	6	End	2733
GI	none	Score	115
Exons	6..77, 913..1035, 914..1054, 1129..1251, 1129..1284, 1136..1288, 1148..1285, 1357..1503, 1361..1489, 1598..1693, 1603..1680, 1608..1691, 1969..2100, 1980..2099, 2153..2269, 2185..2271, 2402..2557, 2423..2557, 2425..2559, 2637..2711, 2638..2733		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o2.ts	Method	TBLASTX:Soybean
Start	1129	End	1697
GI	none	Score	116
Exons	1129..1275, 1132..1284, 1148..1288, 1357..1503, 1361..1489, 1610..1696, 1611..1697		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o3.ts	Method	TBLASTX:Soybean
Start	1987	End	2724
GI	none	Score	146
Exons	1987..2100, 1989..2099, 2153..2269, 2402..2557, 2423..2557, 2425..2559, 2614..2640, 2637..2717, 2638..2724		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o2.tm	Method	TBLASTX:Maize
Start	2203	End	2832
GI	none	Score	87
Exons	2203..2268, 2206..2256, 2399..2557, 2424..2555, 2425..2571, 2431..2559, 2632..2832, 2638..2832		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025

Name	OJ991226_49.0317.C15.o1.tc	Method	TBLASTX:Cress
Start	4777	End	6240
GI	none	Score	182
Exons	4777..4896, 4790..5068, 4948..5067, 5137..5523, 5138..5416, 5263..5499, 5533..5829, 5591..6061, 5914..6060, 6052..6240, 6089..6238		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o1.tm	Method	TBLASTX:Maize
Start	4777	End	5472
GI	none	Score	67
Exons	4777..4848, 4777..5067, 4790..5065, 5140..5472, 5141..5413, 5215..5472		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o1.ts	Method	TBLASTX:Soybean
Start	4777	End	6244
GI	none	Score	136
Exons	4777..4896, 4802..5065, 4948..5067, 5140..5523, 5141..5416, 5275..5478, 5533..5829, 5591..6061, 5914..6060, 6085..6243, 6095..6244		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o1.tw	Method	TBLASTX:Wheat
Start	4780	End	5068
GI	none	Score	74
Exons	4780..4848, 4786..5067, 4787..5068		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o2.tw	Method	TBLASTX:Wheat
Start	5152	End	5797
GI	none	Score	128
Exons	5152..5457, 5162..5419, 5278..5463, 5711..5797		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o5.tm	Method	TBLASTX:Maize
Start	5668	End	5829
GI	none	Score	174
Exons	5668..5829, 5669..5827, 5704..5829		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o4.tm	Method	TBLASTX:Maize
Start	5873	End	6243
GI	none	Score	200
Exons	5873..6061, 5914..6060, 6094..6243, 6095..6238		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84757	Strand	-
Start	6399	End	7025
Name	OJ991226_49.0317.C15.o3.gs	Method	GENSCAN
Start	6399	End	7025
GI	none	Score	.76
Exons	6399..6619, 6692..6736, 6780..6891, 6981..7025		

Seq. No.	40930	Seq. ID	OJ991226_49.0317.C15
Gene No.	84758	Strand	
Start	13463	End	13712
Name	OJ991226_49.0317.C15.o6.tm	Method	TBLASTX:Maize
Start	13463	End	13712
GI	none	Score	144
Exons	13463..13588, 13467..13622, 13641..13712		

Seq. No.	40931	Seq. ID	OJ991226_49.0317.C16
Gene No.	84759	Strand	+
Start	1	End	1607
Name	OJ991226_49.0317.C16.o1.np	Method	AAT/NAP
Start	1	End	1607
GI	6815062	Score	2138
Exons	1..405, 482..673, 766..971, 1015..1360, 1442..1607		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	40931	Seq. ID	OJ991226_49.0317.C16
Gene No.	84759	Strand	+
Start	1	End	1607
Name	OJ991226_49.0317.C16.o2.tm	Method	TBLASTX:Maize
Start	4	End	234
GI	none	Score	59
Exons	4..69, 97..234, 99..230		

Seq. No.	40931	Seq. ID	OJ991226_49.0317.C16
Gene No.	84759	Strand	+
Start	1	End	1607
Name	OJ991226_49.0317.C16.o1.tm	Method	TBLASTX:Maize
Start	237	End	1360
GI	none	Score	203
Exons	237..401, 238..408, 470..541, 563..604, 614..691, 772..939, 772..939, 946..972, 1064..1360		

Seq. No.	40931	Seq. ID	OJ991226_49.0317.C16
Gene No.	84759	Strand	+
Start	1	End	1607
Name	OJ991226_49.0317.C16.o1.gs	Method	GENSCAN
Start	244	End	1541
GI	none	Score	.72
Exons	244..405, 482..673, 766..971, 1015..1360, 1442..1541		

Seq. No.	40932	Seq. ID	OJ991226_43.0315.C2
Gene No.	84760	Strand	+
Start	233	End	752
Name	OJ991226_43.0315.C2.o1.gs	Method	GENSCAN

Start	233	End	752
GI	none	Score	.56
Exons	233..358, 670..752		

Seq. No.	40932	Seq. ID	OJ991226_43.0315.C2
Gene No.	84761	Strand	-
Start	1	End	335
Name	OJ991226_43.0315.C2.o1.np	Method	AAT/NAP
Start	1	End	335
GI	7106515	Score	331
Exons	1..335		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	40933	Seq. ID	OJ991226_43.0315.C3
Gene No.	84762	Strand	-
Start	4859	End	9413
Name	OJ991226_43.0315.C3.o1.gp	Method	AAT/GAP
Start	4859	End	8806
GI	40498_1.R1084	Score	864
Exons	4859..5167, 8660..8806		
GI Descrip.	'2764574/emb|CAA04468| 1.0e-15 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	40933	Seq. ID	OJ991226_43.0315.C3
Gene No.	84762	Strand	-
Start	4859	End	9413
Name	OJ991226_43.0315.C3.o1.tm	Method	TBLASTX:Maize
Start	5088	End	9413
GI	none	Score	113
Exons	5088..5141, 5090..5176, 5091..5177, 8639..8947, 8658..8957, 8922..9050, 8945..9052, 9017..9052, 9146..9268, 9153..9269, 9248..9349, 9312..9413		

Seq. No.	40933	Seq. ID	OJ991226_43.0315.C3
Gene No.	84762	Strand	-
Start	4859	End	9413
Name	OJ991226_43.0315.C3.o1.np	Method	AAT/NAP
Start	8591	End	9349
GI	7488821	Score	384
Exons	8591..9049, 9146..9349		
GI Descrip.	pore protein 24K chain - garden pea gi|2764574|emb|CAA04468.1| (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]		

Seq. No.	40933	Seq. ID	OJ991226_43.0315.C3
Gene No.	84762	Strand	-
Start	4859	End	9413
Name	OJ991226_43.0315.C3.o1.ts	Method	TBLASTX:Soybean
Start	8738	End	9358
GI	none	Score	74
Exons	8738..8854, 8837..8941, 8978..9052, 9164..9268, 9165..9254, 9311..9358, 9312..9353		

Seq. No.	40933	Seq. ID	OJ991226_43.0315.C3
Gene No.	84762	Strand	-
Start	4859	End	9413

Name	OJ991226_43.0315.C3.o2.gp	Method	AAT/GAP
Start	8883	End	9410
GI	29047_1.R1084	Score	780
Exons	8883..9049, 9146..9410		
GI Descrip.	'2764574/emb|CAA04468| 3.0e-22 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.**C4**
Gene No.	84763	Strand	+
Start	6253	End	18400
Name	OJ991226_43.0315.C4.o1.gp	Method	AAT/GAP
Start	5874	End	5928
GI	none	Score	70
Exons	5874..5928		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.**C4**
Gene No.	84763	Strand	+
Start	6253	End	18400
Name	OJ991226_43.0315.C4.o3.gs	Method	GENSCAN
Start	6253	End	18400
GI	none	Score	.51
Exons	6253..6335, 9176..9217, 11582..11743, 11764..11957, 12092..12812, 12861..13126, 13146..13609, 13654..14304, 14394..15152, 15321..16120, 16319..16704, 16762..17541, 17646..17956, 17987..18400		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.**C4**
Gene No.	84763	Strand	+
Start	6253	End	18400
Name	OJ991226_43.0315.C4.o2.gp	Method	AAT/GAP
Start	10920	End	10997
GI	LIB3477-003-P1-K1-E9	Score	109
Exons	10920..10997		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.**C4**
Gene No.	84763	Strand	+
Start	6253	End	18400
Name	OJ991226_43.0315.C4.o1.np	Method	AAT/NAP
Start	12055	End	18397
GI	7228457	Score	3105
Exons	12055..12077, 12394..12472, 13589..15143, 15198..16844, 16911..18397		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.**C4**
Gene No.	84764	Strand	+
Start	22485	End	24582
Name	OJ991226_43.0315.C4.o4.np	Method	AAT/NAP
Start	22485	End	24582
GI	7523517	Score	239
Exons	22485..22785, 22930..23034, 24538..24582		
GI Descrip.	(AP001633) hypothetical protein [Oryza sativa]		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84765	Strand	-
Start	39	End	348
Name	OJ991226_43.0315.C4.o1.gs	Method	GENSCAN
Start	39	End	348
GI	none	Score	.95
Exons	39..348		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84766	Strand	-
Start	2277	End	3162
Name	OJ991226_43.0315.C4.o2.gs	Method	GENSCAN
Start	2277	End	3162
GI	none	Score	.63
Exons	2277..2585, 2626..2801, 2943..3162		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o5.tm	Method	TBLASTX:Maize
Start	13645	End	13884
GI	none	Score	186
Exons	13645..13884		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o7.tw	Method	TBLASTX:Wheat
Start	13648	End	14046
GI	none	Score	268
Exons	13648..14046, 13662..13700, 13773..13955		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o4.tw	Method	TBLASTX:Wheat
Start	14628	End	15083
GI	none	Score	152
Exons	14628..14810, 14636..14737, 14847..15083, 14849..14965, 14859..15068, 15008..15073		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o1.tw	Method	TBLASTX:Wheat
Start	15275	End	21733
GI	none	Score	554
Exons	15275..15730, 15276..15731, 21638..21733		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o2.ts	Method	TBLASTX:Soybean
Start	15315	End	15680
GI	none	Score	100
Exons	15315..15539, 15546..15680		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o1.tm	Method	TBLASTX:Maize
Start	15405	End	15761
GI	none	Score	414
Exons	15405..15761, 15459..15707, 15467..15733		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o3.tm	Method	TBLASTX:Maize
Start	15789	End	16172
GI	none	Score	315
Exons	15789..16172, 15824..16171		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o2.tw	Method	TBLASTX:Wheat
Start	15846	End	16270
GI	none	Score	471
Exons	15846..16268, 15851..16270		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o1.ts	Method	TBLASTX:Soybean
Start	15924	End	16325
GI	none	Score	302
Exons	15924..16325, 15926..16084		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o6.tw	Method	TBLASTX:Wheat
Start	16415	End	16823
GI	none	Score	196
Exons	16415..16642, 16416..16640, 16455..16643, 16650..16823, 16758..16820		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o8.tw	Method	TBLASTX:Wheat
Start	16863	End	17120
GI	none	Score	181
Exons	16863..17120		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o2.tm	Method	TBLASTX:Maize
Start	17322	End	17630
GI	none	Score	356
Exons	17322..17630, 17342..17617		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o5.tw	Method	TBLASTX:Wheat
Start	17325	End	17642
GI	none	Score	316
Exons	17325..17642, 17333..17623		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o3.tw	Method	TBLASTX:Wheat
Start	17780	End	18388
GI	none	Score	340
Exons	17780..18232, 17795..17890, 17962..18036, 18257..18388, 18262..18387		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o4.tm	Method	TBLASTX:Maize
Start	18002	End	18265
GI	none	Score	187
Exons	18002..18265		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o4.gs	Method	GENSCAN
Start	19018	End	25278
GI	none	Score	.59
Exons	19018..19535, 19634..19779, 19903..20456, 20732..21046, 21114..21238, 21404..21780, 21938..22088, 22453..22545, 22641..22712, 24309..24333, 25128..25278		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o2.np	Method	AAT/NAP
Start	19902	End	21513
GI	6721561	Score	1080
Exons	19902..20664, 20732..20790, 20861..21080, 21478..21513		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40934	Seq. ID	OJ991226_43.0315.C4
Gene No.	84767	Strand	-
Start	19018	End	25278
Name	OJ991226_43.0315.C4.o3.np	Method	AAT/NAP
Start	20403	End	22037
GI	6721558	Score	269
Exons	20403..20602, 21114..21238, 21938..22037		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	40935	Seq. ID	OJ991226_43.0315.C5
Gene No.	84768	Strand	-
Start	1	End	6178
Name	OJ991226_43.0315.C5.o1.np	Method	AAT/NAP
Start	1	End	2593
GI	7106528	Score	73
Exons	1..92, 2454..2593		
GI Descrip.	(AP001278) EST D40774(S2920) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	40935	Seq. ID	OJ991226_43.0315.C5
Gene No.	84768	Strand	-
Start	1	End	6178
Name	OJ991226_43.0315.C5.o1.gs	Method	GENSCAN
Start	55	End	5638
GI	none	Score	.45
Exons	55..150, 1476..1947, 4308..4451, 5127..5638		

Seq. No.	40935	Seq. ID	OJ991226_43.0315.C5
Gene No.	84768	Strand	-
Start	1	End	6178
Name	OJ991226_43.0315.C5.o2.np	Method	AAT/NAP
Start	1720	End	6178
GI	7485814	Score	381
Exons	1720..1947, 4308..4465, 6131..6178		
GI Descrip.	hypothetical protein F19I3.6 - Arabidopsis thaliana gi|3033379|gb|AAC12823.1| (AC004238) putative WRKY-type DNA-binding protein [Arabidopsis thaliana]		

Seq. No.	40935	Seq. ID	OJ991226_43.0315.C5
Gene No.	84768	Strand	-
Start	1	End	6178
Name	OJ991226_43.0315.C5.o1.tc	Method	TBLASTX:Cress
Start	1792	End	4454
GI	none	Score	145
Exons	1792..1926, 1803..1922, 1922..1948, 4307..4378, 4307..4411, 4311..4451, 4418..4453, 4419..4454		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84769	Strand	+
Start	7912	End	8031
Name	OJ991226_43.0315.C6.o2.gp	Method	AAT/GAP
Start	7912	End	8031
GI	LIB3475-004-P1-K2-A5	Score	188
Exons	7912..8031		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84770	Strand	+
Start	10032	End	13259
Name	OJ991226_43.0315.C6.o1.np	Method	AAT/NAP
Start	10032	End	13256
GI	6907089	Score	4148

Exons	10032..11293, 11387..13256		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84770	Strand	+
Start	10032	End	13259
Name	OJ991226_43.0315.C6.o2.gs	Method	GENSCAN
Start	10032	End	13259
GI	none	Score	.97
Exons	10032..13259		
Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84771	Strand	+
Start	20109	End	20943
Name	OJ991226_43.0315.C6.o3.np	Method	AAT/NAP
Start	20109	End	20943
GI	5922623	Score	415
Exons	20109..20189, 20553..20700, 20868..20943		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o3.tw	Method	TBLASTX:Wheat
Start	8267	End	21564
GI	none	Score	106
Exons	8267..8401, 8269..8364, 21171..21482, 21173..21487, 21173..21469, 21180..21473, 21181..21474, 21483..21563, 21489..21563, 21493..21564		
Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o9.tm	Method	TBLASTX:Maize
Start	13839	End	14020
GI	none	Score	130
Exons	13839..14015, 13853..14020		
Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o3.gs	Method	GENSCAN
Start	13877	End	17542
GI	none	Score	.97
Exons	13877..17542		
Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o2.np	Method	AAT/NAP
Start	13880	End	20032
GI	7228457	Score	9328
Exons	13880..15430, 15497..16648, 16771..17605, 17669..19604, 19666..20032		
GI Descrip.	(AP001366) Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1, polyprotein. (AF098806) [Oryza sativa]

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o10.tw	Method	TBLASTX:Wheat
Start	13889	End	14491
GI	none	Score	83
Exons	13889..14014, 13893..14015, 14207..14491, 14208..14486		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o8.tm	Method	TBLASTX:Maize
Start	14390	End	23025
GI	none	Score	73
Exons	14390..14548, 22632..22799, 22663..22782, 22798..23025		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o6.tw	Method	TBLASTX:Wheat
Start	14492	End	14873
GI	none	Score	171
Exons	14492..14872, 14523..14771, 14817..14873		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o3.tm	Method	TBLASTX:Maize
Start	14687	End	15010
GI	none	Score	193
Exons	14687..15010, 14700..14993		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o12.tw	Method	TBLASTX:Wheat
Start	15203	End	15515
GI	none	Score	67
Exons	15203..15463, 15314..15502, 15339..15515		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o5.ts	Method	TBLASTX:Soybean
Start	15263	End	15829
GI	5666795	Score	68
Exons	15263..15463, 15518..15655, 15731..15829		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o7.tw	Method	TBLASTX:Wheat
Start	15518	End	15976

GI	none	Score	92
Exons	15518..15658, 15519..15656, 15521..15658, 15714..15887, 15728..15976, 15728..15952		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o1.ts	Method	TBLASTX:Soybean
Start	16577	End	16948
GI	none	Score	91
Exons	16577..16948, 16773..16931		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o4.tw	Method	TBLASTX:Wheat
Start	16602	End	17027
GI	none	Score	329
Exons	16602..17027, 16607..17026		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o4.tm	Method	TBLASTX:Maize
Start	16700	End	17084
GI	none	Score	222
Exons	16700..17083, 16719..17084		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o2.tm	Method	TBLASTX:Maize
Start	17111	End	17467
GI	none	Score	114
Exons	17111..17416, 17111..17467, 17121..17432		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o2.tw	Method	TBLASTX:Wheat
Start	17135	End	17598
GI	none	Score	423
Exons	17135..17596, 17136..17597, 17155..17598		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o6.ts	Method	TBLASTX:Soybean
Start	17192	End	17557
GI	none	Score	117
Exons	17192..17326, 17333..17557		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o4.gs	Method	GENSCAN
Start	17606	End	20032

GI	none	Score	.91
Exons	17606..20032		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o5.tw	Method	TBLASTX:Wheat
Start	17765	End	18248
GI	none	Score	165
Exons	17765..18247, 17793..18053, 18075..18248		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o9.tw	Method	TBLASTX:Wheat
Start	18986	End	19378
GI	none	Score	83
Exons	18986..19243, 19098..19259, 19226..19324, 19227..19307, 19331..19378		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o10.tm	Method	TBLASTX:Maize
Start	19088	End	19373
GI	none	Score	89
Exons	19088..19336, 19089..19373		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o4.np	Method	AAT/NAP
Start	19552	End	23436
GI	7488299	Score	755
Exons	19552..19574, 21777..23436		
GI Descrip.	reverse transcriptase homolog T7M24.7 - Arabidopsis thaliana gi|3319362|gb|AAC26250.1| (AF077408) contains similarity to reverse transcriptase (Pfam: rvt.hmm, score 19.29) [Arabidopsis thaliana] gi|7267136|emb|CAB80804.1| (AL161498) putative retrotransposon protein [Arabidopsis thaliana]		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o5.gs	Method	GENSCAN
Start	21150	End	27016
GI	none	Score	.4
Exons	21150..22019, 22384..22594, 23639..23693, 23895..24429, 24680..24921, 25114..25158, 26920..27016		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o3.ts	Method	TBLASTX:Soybean
Start	21201	End	21575
GI	none	Score	46
Exons	21201..21425, 21295..21426, 21444..21575, 21444..21575		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o6.tm	Method	TBLASTX:Maize
Start	21420	End	21759
GI	none	Score	151
Exons	21420..21758, 21421..21615, 21453..21758, 21709..21759		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o4.ts	Method	TBLASTX:Soybean
Start	21777	End	22079
GI	5509260	Score	224
Exons	21777..22079		
GI Descrip.	-		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o7.tm	Method	TBLASTX:Maize
Start	21777	End	22073
GI	none	Score	232
Exons	21777..22073		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o1.tc	Method	TBLASTX:Cress
Start	21780	End	21986
GI	none	Score	225
Exons	21780..21986		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o1.tw	Method	TBLASTX:Wheat
Start	21999	End	22754
GI	none	Score	135
Exons	21999..22157, 21999..22157, 22000..22161, 22018..22164, 22019..22165, 22156..22239, 22170..22214, 22170..22247, 22171..22248, 22268..22570, 22279..22647, 22306..22653, 22626..22754, 22629..22745, 22630..22746		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o2.ts	Method	TBLASTX:Soybean
Start	22405	End	22799
GI	none	Score	38
Exons	22405..22578, 22532..22570, 22632..22787, 22632..22799, 22636..22794		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016

Name	OJ991226_43.0315.C6.o11.tw	Method	TBLASTX:Wheat
Start	22755	End	22950
GI	none	Score	55
Exons	22755..22799, 22756..22797, 22790..22948, 22795..22950, 22795..22947		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o5.np	Method	AAT/NAP
Start	22789	End	23514
GI	2997694	Score	278
Exons	22789..23514		
GI Descrip.	(AF053721) putative retrovirus-related polyprotein [Lithospermum erythrorhizon]		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o1.tm	Method	TBLASTX:Maize
Start	23226	End	23541
GI	none	Score	382
Exons	23226..23387, 23227..23541, 23228..23521		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o5.tm	Method	TBLASTX:Maize
Start	24044	End	24357
GI	none	Score	250
Exons	24044..24334, 24046..24357, 24049..24339		

Seq. No.	40936	Seq. ID	OJ991226_43.0315.C6
Gene No.	84772	Strand	-
Start	13877	End	27016
Name	OJ991226_43.0315.C6.o8.tw	Method	TBLASTX:Wheat
Start	24106	End	24501
GI	none	Score	232
Exons	24106..24492, 24107..24481, 24109..24501		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84773	Strand	+
Start	466	End	825
Name	OJ991226_43.0315.C7.o1.gs	Method	GENSCAN
Start	466	End	825
GI	none	Score	.73
Exons	466..825		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84774	Strand	+
Start	1158	End	7602
Name	OJ991226_43.0315.C7.o2.gp	Method	AAT/GAP
Start	1158	End	2023
GI	none	Score	1707
Exons	1158..2023		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7

Gene No.	84774	Strand	+
Start	1158	End	7602
Name	OJ991226_43.0315.C7.o2.gs	Method	GENSCAN
Start	1706	End	7602
GI	none	Score	.7
Exons	1706..2805, 2919..3160, 3264..3325, 4075..4260, 4352..4447, 7390..7602		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84774	Strand	+
Start	1158	End	7602
Name	OJ991226_43.0315.C7.o3.gp	Method	AAT/GAP
Start	2362	End	2970
GI	6089_2.R1084	Score	929
Exons	2362..2805, 2919..2970		
GI Descrip.	'3608137 1.0e-12 (AC005314) unknown protein [Arabidopsis thaliana]'		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84774	Strand	+
Start	1158	End	7602
Name	OJ991226_43.0315.C7.o4.gp	Method	AAT/GAP
Start	3095	End	5076
GI	none	Score	1368
Exons	3095..3160, 3264..3325, 4075..4260, 4352..4447, 4738..5076		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84775	Strand	+
Start	11253	End	12433
Name	OJ991226_43.0315.C7.o5.gp	Method	AAT/GAP
Start	11226	End	11733
GI	LIB3434-041-P1-K1-A10	Score	781
Exons	11226..11552, 11648..11733		
GI Descrip.	'2129770/pir||S71224 2.0e-32 xyloglucan endotransglycosylase-related protein XTR-2 - Arabidopsis thaliana >gi_1244756 (U43487) xyloglucan endotransglycosylase-related protein [Arabidopsis thaliana] >gi_2154611_dbj_BAA20290_ (D63510) endoxyloglucan transferase related protein [Arabidopsis thaliana] >gi_5533311_gb_AAD45124.1_AF163820_1 (AF163820) endoxyloglucan transferase [Ara'		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84775	Strand	+
Start	11253	End	12433
Name	OJ991226_43.0315.C7.o3.np	Method	AAT/NAP
Start	11241	End	12397
GI	7447409	Score	739
Exons	11241..11552, 11648..12063, 12106..12397		
GI Descrip.	xyloglucan endo-1,4-beta-D-glucanase (EC 3.2.1.-) F13C5.160 - Arabidopsis thaliana gi|2832627|emb|CAA16756.1| (AL021711) xyloglucan endo-transglycosylase-like protein [Arabidopsis thaliana] gi|7268693|emb|CAB78901.1| (AL161549) xyloglucan endo-transglycosylase-like protein [Arabidopsis thaliana]		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84775	Strand	+

Start	11253	End	12433
Name	OJ991226_43.0315.C7.o3.gs	Method	GENSCAN
Start	11253	End	12433
GI	none	Score	1
Exons	11253..11552, 11648..12433		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84776	Strand	+
Start	12427	End	12569
Name	OJ991226_43.0315.C7.o6.gp	Method	AAT/GAP
Start	12427	End	12569
GI	LIB3433-011-Q6-K1-H5	Score	221
Exons	12427..12569		
GI Descrip.	'218144/dbj|D12637|RICATADPT 7.0e-11 Rice mRNA for ATP/ADP translocator, complete cds'		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84777	Strand	-
Start	433	End	724
Name	OJ991226_43.0315.C7.o1.gp	Method	AAT/GAP
Start	433	End	724
GI	none	Score	537
Exons	433..724		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84778	Strand	-
Start	6929	End	8221
Name	OJ991226_43.0315.C7.o2.np	Method	AAT/NAP
Start	6929	End	8221
GI	82523	Score	1074
Exons	6929..7590, 8138..8221		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o2.tm	Method	TBLASTX:Maize
Start	1526	End	3175
GI	none	Score	94
Exons	1526..1666, 1534..1665, 1535..1666, 1676..1879, 1699..1836, 1701..1880, 1704..1880, 1706..1912, 1874..2224, 1903..2211, 1910..2212, 1911..2222, 2256..2306, 2289..2831, 2292..2678, 2324..2800, 2392..2823, 2929..3147, 2929..3147, 2942..3175		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o4.ts	Method	TBLASTX:Soybean
Start	1988	End	4453
GI	none	Score	111
Exons	1988..2173, 2074..2172, 2597..2722, 2755..2793, 2759..2782, 2909..3058, 2917..3144, 2917..3141, 4131..4259, 4143..4304, 4355..4450, 4358..4453		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o5.tm	Method	TBLASTX:Maize
Start	3250	End	4447
GI	none	Score	70
Exons	3250..3327, 3252..3326, 4062..4145, 4097..4258, 4146..4259, 4146..4259, 4183..4260, 4349..4447, 4352..4447		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o3.ts	Method	TBLASTX:Soybean
Start	6042	End	6292
GI	none	Score	327
Exons	6042..6272, 6044..6292, 6047..6280		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o1.tw	Method	TBLASTX:Wheat
Start	6087	End	6573
GI	none	Score	266
Exons	6087..6272, 6088..6303, 6089..6328, 6089..6328, 6318..6368, 6320..6367, 6342..6368, 6353..6421, 6366..6431, 6373..6393, 6379..6420, 6381..6458, 6382..6456, 6383..6463, 6385..6447, 6438..6494, 6438..6494, 6451..6495, 6495..6572, 6496..6573, 6496..6573		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o1.tc	Method	TBLASTX:Cress
Start	11337	End	12286
GI	none	Score	238
Exons	11337..11555, 11411..11551, 11648..12139, 11650..12054, 12218..12286		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o1.ts	Method	TBLASTX:Soybean
Start	11340	End	12310
GI	none	Score	229
Exons	11340..11552, 11393..11551, 11650..12060, 11651..12121, 12166..12294, 12218..12310		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o4.tm	Method	TBLASTX:Maize
Start	11342	End	11552
GI	none	Score	252
Exons	11342..11551, 11343..11552		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-

Start	12922	End	17316
Name	OJ991226_43.0315.C7.o3.tm	Method	TBLASTX:Maize
Start	11651	End	12313
GI	none	Score	515
Exons	11651..12079, 11656..12075, 12166..12285, 12218..12253, 12254..12313		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o4.gs	Method	GENSCAN
Start	12922	End	16108
GI	none	Score	.72
Exons	12922..13010, 13878..13902, 14005..14035, 14210..14285, 14988..15131, 15292..16108		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o7.gp	Method	AAT/GAP
Start	14629	End	15184
GI	none	Score	1060
Exons	14629..15184		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o4.np	Method	AAT/NAP
Start	14871	End	17316
GI	729775	Score	750
Exons	14871..16111, 17279..17316		
GI Descrip.	HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) gi|100264|pir||S25481 heat shock transcription factor 8 - Peruvian tomato gi|19492|emb|CAA47869| (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o1.tm	Method	TBLASTX:Maize
Start	14893	End	15919
GI	none	Score	97
Exons	14893..14961, 14894..14962, 14986..15087, 14992..15090, 15073..15132, 15086..15154, 15154..15180, 15154..15171, 15168..15221, 15172..15225, 15259..15498, 15266..15511, 15267..15512, 15500..15637, 15509..15646, 15513..15647, 15629..15919, 15633..15776, 15866..15919		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o2.tc	Method	TBLASTX:Cress
Start	14893	End	16117
GI	none	Score	44
Exons	14893..14937, 15034..15072, 15458..15664, 15528..15617, 15665..15724, 15671..16108, 15717..15776, 15866..16117		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o5.ts	Method	TBLASTX:Soybean
Start	15452	End	15685
GI	none	Score	89
Exons	15452..15685, 15510..15635, 15560..15685		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o8.gp	Method	AAT/GAP
Start	15571	End	16040
GI	LIB3474-012-P1-K1-B8	Score	881
Exons	15571..16040		
GI Descrip.	'729775/sp|P41153|HSF8_LYCPE 4.0e-34 HEAT SHOCK FACTOR PROTEIN HSF8 (HEAT SHOCK TRANSCRIPTION FACTOR 8) (HSTF 8) (HEAT STRESS TRANSCRIPTION FACTOR) >gi_100264_pir__S25481 heat shock transcription factor 8 - Peruvian tomato >gi_19492_emb_CAA47869_ (X67600) heat shock transcription factor 8 [Lycopersicon peruvianum]'		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o2.ts	Method	TBLASTX:Soybean
Start	15692	End	16109
GI	none	Score	54
Exons	15692..15772, 15695..15946, 15720..15776, 15768..15947, 15769..15909, 15866..16009, 15995..16108, 16002..16109		

Seq. No.	40937	Seq. ID	OJ991226_43.0315.C7
Gene No.	84779	Strand	-
Start	12922	End	17316
Name	OJ991226_43.0315.C7.o6.tm	Method	TBLASTX:Maize
Start	15946	End	16125
GI	none	Score	48
Exons	15946..15999, 15995..16108, 16011..16109, 16012..16125		

Seq. No.	40938	Seq. ID	OJ991226_43.0315.C8
Gene No.	84780	Strand	+
Start	1	End	1591
Name	OJ991226_43.0315.C8.o1.np	Method	AAT/NAP
Start	1	End	1591
GI	2498930	Score	76
Exons	1..176, 1508..1591		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	40938	Seq. ID	OJ991226_43.0315.C8
Gene No.	84780	Strand	+
Start	1	End	1591
Name	OJ991226_43.0315.C8.o1.gs	Method	GENSCAN
Start	996	End	1557
GI	none	Score	.51
Exons	996..1061, 1449..1557		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84781	Strand	+
Start	101	End	749
Name	OJ991226_43.0315.C9.o1.np	Method	AAT/NAP
Start	101	End	746
GI	2213625	Score	260
Exons	101..164, 237..746		
GI Descrip.	(AC000103) F21J9.17 [Arabidopsis thaliana]		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84781	Strand	+
Start	101	End	749
Name	OJ991226_43.0315.C9.o1.gs	Method	GENSCAN
Start	237	End	749
GI	none	Score	.77
Exons	237..749		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84782	Strand	+
Start	4702	End	6833
Name	OJ991226_43.0315.C9.o3.gs	Method	GENSCAN
Start	4702	End	6833
GI	none	Score	.84
Exons	4702..4921, 5016..5116, 5452..5513, 6083..6164, 6492..6621, 6730..6833		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84782	Strand	+
Start	4702	End	6833
Name	OJ991226_43.0315.C9.o3.np	Method	AAT/NAP
Start	4744	End	6251
GI	3805760	Score	137
Exons	4744..4968, 5016..5116, 6192..6251		
GI Descrip.	(AC005693) unknown protein [Arabidopsis thaliana]		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84783	Strand	+
Start	8182	End	8256
Name	OJ991226_43.0315.C9.o1.gp	Method	AAT/GAP
Start	8182	End	8256
GI	28872_1.R1084	Score	134
Exons	8182..8256		
GI Descrip.	'2894598/emb|CAA17132.1| 4.0e-49 (AL021889) putative protein [Arabidopsis thaliana]'		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o2.np	Method	AAT/NAP
Start	1469	End	5027
GI	7492926	Score	143
Exons	1469..1819, 2249..2342, 2442..2587, 2704..2773, 3751..3803, 3886..3968, 4911..5027		
GI Descrip.	probable RNA-binding protein - fission yeast (Schizosaccharomyces pombe) gi|2462671|emb|CAB11047.1| (Z98529) putative RNA-binding protein [Schizosaccharomyces pombe]		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o3.tm	Method	TBLASTX:Maize
Start	1494	End	1814
GI	none	Score	154
Exons	1494..1610, 1497..1607, 1498..1617, 1649..1810, 1651..1809, 1653..1814		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o2.gs	Method	GENSCAN
Start	1496	End	4383
GI	none	Score	.9
Exons	1496..1945, 2249..2377, 2465..2587, 2704..2773, 3751..3809, 3889..4383		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o2.ts	Method	TBLASTX:Soybean
Start	1877	End	4005
GI	4300038	Score	87
Exons	1877..1948, 2247..2357, 2249..2380, 2463..2522, 2465..2551, 2525..2575, 2526..2570, 3919..4005		
GI Descrip.	2462671/emb_CAB11047_ 1.0e-09 (Z98529) putative RNA-binding protein [Schizosaccharomyces pombe]		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o2.tm	Method	TBLASTX:Maize
Start	2247	End	4029
GI	none	Score	138
Exons	2247..2369, 2248..2379, 2249..2380, 2463..2588, 2464..2559, 2465..2587, 2704..2772, 2704..2775, 2708..2776, 2708..2776, 3664..3777, 3753..3809, 3860..4003, 3884..4003, 3889..4029		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o1.tm	Method	TBLASTX:Maize
Start	4689	End	6793
GI	none	Score	363
Exons	4689..4925, 4690..4923, 4787..4927, 5014..5076, 5014..5154, 5015..5119, 5950..6030, 5962..6033, 5967..6032, 6093..6164, 6106..6168, 6487..6537, 6488..6619, 6489..6620, 6505..6621, 6561..6620, 6702..6791, 6728..6793, 6728..6793		

Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o1.ts	Method	TBLASTX:Soybean
Start	4692	End	5119
GI	none	Score	297

Exons	4692..4922, 4693..4923, 4702..4923, 4784..4957, 5014..5109, 5015..5119		
Seq. No.	40939	Seq. ID	OJ991226_43.0315.C9
Gene No.	84784	Strand	-
Start	1496	End	6793
Name	OJ991226_43.0315.C9.o1.tc	Method	TBLASTX:Cress
Start	4770	End	6164
GI	none	Score	200
Exons	4770..4922, 4771..4923, 5014..5154, 5015..5119, 5962..6033, 5964..6032, 6093..6164		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84785	Strand	+
Start	1	End	7462
Name	OJ991226_43.0315.C10.o1.np	Method	AAT/NAP
Start	1	End	5598
GI	7487780	Score	756
Exons	1..53, 785..1058, 1086..1241, 1374..1634, 2025..2147, 2354..2458, 2627..2721, 5455..5598		
GI Descrip.	hypothetical protein T6K21.70 - Arabidopsis thaliana gi|2894598|emb|CAA17132.1| (AL021889) putative protein [Arabidopsis thaliana] gi|7268541|emb|CAB78791.1| (AL161547) putative protein [Arabidopsis thaliana]		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84785	Strand	+
Start	1	End	7462
Name	OJ991226_43.0315.C10.o1.gs	Method	GENSCAN
Start	825	End	2731
GI	none	Score	.71
Exons	825..1241, 1374..1634, 2025..2147, 2354..2458, 2654..2731		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84785	Strand	+
Start	1	End	7462
Name	OJ991226_43.0315.C10.o1.gp	Method	AAT/GAP
Start	1423	End	1881
GI	LIB3434-033-P1-K1-F1	Score	801
Exons	1423..1881		
GI Descrip.	'2894598/emb|CAA17132.1| 7.0e-09 (AL021889) putative protein [Arabidopsis thaliana]'		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84785	Strand	+
Start	1	End	7462
Name	OJ991226_43.0315.C10.o3.np	Method	AAT/NAP
Start	5205	End	7456
GI	7486435	Score	566
Exons	5205..5391, 5524..5578, 5677..5856, 6040..6246, 6354..6419, 6615..6707, 6797..6853, 7367..7456		
GI Descrip.	hypothetical protein F4I1.32 - Arabidopsis thaliana gi|3128193|gb|AAC16097.1| (AC004521) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84785	Strand	+

Start	1	End	7462
Name	OJ991226_43.0315.C10.o3.gs	Method	GENSCAN
Start	5219	End	7462
GI	none	Score	.91
Exons	5219..5360, 5439..5578, 5668..5940, 6037..6246, 6354..6419, 6615..6707, 6797..6853, 7367..7462		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84786	Strand	+
Start	10333	End	11113
Name	OJ991226_43.0315.C10.o5.gs	Method	GENSCAN
Start	10333	End	11113
GI	none	Score	.69
Exons	10333..11113		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84787	Strand	-
Start	2578	End	3064
Name	OJ991226_43.0315.C10.o2.gp	Method	AAT/GAP
Start	2578	End	3064
GI	none	Score	860
Exons	2578..3064		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84788	Strand	-
Start	4332	End	4949
Name	OJ991226_43.0315.C10.o3.gp	Method	AAT/GAP
Start	4328	End	4949
GI	none	Score	1189
Exons	4328..4949		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84788	Strand	-
Start	4332	End	4949
Name	OJ991226_43.0315.C10.o2.gs	Method	GENSCAN
Start	4332	End	4898
GI	none	Score	1
Exons	4332..4898		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84788	Strand	-
Start	4332	End	4949
Name	OJ991226_43.0315.C10.o2.np	Method	AAT/NAP
Start	4335	End	4841
GI	6728970	Score	476
Exons	4335..4841		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	2093
GI	none	Score	83
Exons	1..54, 3..56, 776..976, 777..980, 975..1142, 977..1108, 1163..1240, 1163..1249, 1364..1399, 1371..1472, 1372..1431, 1440..1517, 1520..1594, 1521..1637, 2022..2093		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o3.tc	Method	TBLASTX:Cress
Start	1	End	986
GI	none	Score	88
Exons	1..54, 773..976, 777..986		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o2.ts	Method	TBLASTX:Soybean
Start	800	End	2716
GI	none	Score	297
Exons	800..1108, 801..1109, 1371..1412, 1395..1598, 1436..1522, 1477..1617, 1547..1606, 1549..1629, 2022..2108, 2024..2113, 2624..2716, 2635..2715		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o2.tw	Method	TBLASTX:Wheat
Start	1375	End	1598
GI	none	Score	230
Exons	1375..1419, 1377..1493, 1383..1598, 1442..1594		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o2.tc	Method	TBLASTX:Cress
Start	4344	End	4824
GI	none	Score	159
Exons	4344..4505, 4527..4607, 4605..4823, 4612..4824		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o3.tm	Method	TBLASTX:Maize
Start	4524	End	4824
GI	none	Score	60
Exons	4524..4646, 4534..4647, 4647..4823, 4648..4824		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o1.ts	Method	TBLASTX:Soybean
Start	4545	End	4824
GI	none	Score	144
Exons	4545..4589, 4578..4823, 4618..4824		

Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o5.tm	Method	TBLASTX:Maize
Start	6354	End	7464
GI	none	Score	94

Exons	6354..6419, 6354..6419, 6355..6423, 6614..6643, 6615..6716, 6666..6707, 6786..6854, 6794..6856, 6796..6852, 6812..6868, 7351..7446, 7364..7462, 7366..7464		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o4.tm	Method	TBLASTX:Maize
Start	8334	End	8576
GI	none	Score	68
Exons	8334..8399, 8336..8404, 8402..8575, 8406..8576		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o1.tc	Method	TBLASTX:Cress
Start	8363	End	8856
GI	none	Score	417
Exons	8363..8407, 8405..8848, 8406..8825, 8408..8851, 8569..8856		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o4.gs	Method	GENSCAN
Start	8369	End	9931
GI	none	Score	.68
Exons	8369..9045, 9826..9931		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o4.np	Method	AAT/NAP
Start	8372	End	9126
GI	4510390	Score	646
Exons	8372..8942, 8983..9126		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o2.tm	Method	TBLASTX:Maize
Start	8602	End	9943
GI	none	Score	418
Exons	8602..8892, 8603..9046, 8607..9047, 8932..9048, 9805..9876, 9830..9943, 9830..9937		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953
Name	OJ991226_43.0315.C10.o4.gp	Method	AAT/GAP
Start	8669	End	9953
GI	none	Score	826
Exons	8669..9045, 9826..9953		
Seq. No.	40940	Seq. ID	OJ991226_43.0315.C10
Gene No.	84789	Strand	-
Start	8369	End	9953

Name	OJ991226_43.0315.C10.o1.tw	Method	TBLASTX:Wheat
Start	8694	End	9004
GI	none	Score	293
Exons	8694..9002, 8694..9002, 8696..9004, 8696..9004		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84790	Strand	+
Start	106	End	1902
Name	OJ991226_43.0315.C11.o1.gs	Method	GENSCAN
Start	106	End	1902
GI	none	Score	.7
Exons	106..1902		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84790	Strand	+
Start	106	End	1902
Name	OJ991226_43.0315.C11.o1.gp	Method	AAT/GAP
Start	565	End	1063
GI	none	Score	926
Exons	565..1063		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84791	Strand	-
Start	1641	End	2097
Name	OJ991226_43.0315.C11.o2.gp	Method	AAT/GAP
Start	1641	End	2097
GI	none	Score	898
Exons	1641..2097		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84792	Strand	-
Start	2752	End	4072
Name	OJ991226_43.0315.C11.o1.ts	Method	TBLASTX:Soybean
Start	207	End	474
GI	none	Score	198
Exons	207..473, 238..474		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84792	Strand	-
Start	2752	End	4072
Name	OJ991226_43.0315.C11.o1.tc	Method	TBLASTX:Cress
Start	1085	End	1451
GI	none	Score	125
Exons	1085..1426, 1085..1204, 1086..1442, 1087..1449, 1242..1451		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84792	Strand	-
Start	2752	End	4072
Name	OJ991226_43.0315.C11.o1.tm	Method	TBLASTX:Maize
Start	1218	End	1428
GI	none	Score	266
Exons	1218..1427, 1219..1428		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84792	Strand	-
Start	2752	End	4072
Name	OJ991226_43.0315.C11.o2.tm	Method	TBLASTX:Maize

Start	1731	End	1908
GI	none	Score	224
Exons	1731..1904, 1732..1908		

Seq. No.	40941	Seq. ID	OJ991226_43.0315.C11
Gene No.	84792	Strand	-
Start	2752	End	4072
Name	OJ991226_43.0315.C11.o2.gs	Method	GENSCAN
Start	2752	End	4072
GI	none	Score	.68
Exons	2752..2813, 3790..4072		

Seq. No.	40942	Seq. ID	OJ991226_43.0315.C12
Gene No.	84793	Strand	+
Start	129	End	505
Name	OJ991226_43.0315.C12.o1.gs	Method	GENSCAN
Start	129	End	505
GI	none	Score	.82
Exons	129..181, 457..505		

Seq. No.	40942	Seq. ID	OJ991226_43.0315.C12
Gene No.	84794	Strand	+
Start	2270	End	5479
Name	OJ991226_43.0315.C12.o1.np	Method	AAT/NAP
Start	1958	End	5479
GI	7339491	Score	337
Exons	1958..2300, 2343..2516, 2735..2790, 5133..5188, 5290..5479		
GI Descrip.	(AL162459) putative protein [Arabidopsis thaliana]		

Seq. No.	40942	Seq. ID	OJ991226_43.0315.C12
Gene No.	84794	Strand	+
Start	2270	End	5479
Name	OJ991226_43.0315.C12.o2.gs	Method	GENSCAN
Start	2270	End	5479
GI	none	Score	.9
Exons	2270..2734, 5133..5188, 5287..5479		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84795	Strand	+
Start	1	End	285
Name	OJ991226_43.0315.C13.o1.np	Method	AAT/NAP
Start	1	End	279
GI	7339491	Score	231
Exons	1..279		
GI Descrip.	(AL162459) putative protein [Arabidopsis thaliana]		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84795	Strand	+
Start	1	End	285
Name	OJ991226_43.0315.C13.o1.gs	Method	GENSCAN
Start	55	End	285
GI	none	Score	.51
Exons	55..285		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84796	Strand	+
Start	3905	End	7688

Name	OJ991226_43.0315.C13.o3.gs	Method	GENSCAN
Start	3905	End	7688
GI	none	Score	.46
Exons	3905..3976, 4686..4719, 5228..5336, 5992..6147, 7550..7688		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84797	Strand	+
Start	7713	End	7823
Name	OJ991226_43.0315.C13.o2.gp	Method	AAT/GAP
Start	7713	End	7823
GI	LIB3477-003-P1-K1-E9	Score	104
Exons	7713..7823		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84798	Strand	+
Start	7960	End	8242
Name	OJ991226_43.0315.C13.o4.gs	Method	GENSCAN
Start	7960	End	8242
GI	none	Score	.81
Exons	7960..8059, 8127..8242		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84799	Strand	-
Start	1453	End	2917
Name	OJ991226_43.0315.C13.o2.gs	Method	GENSCAN
Start	1453	End	2917
GI	none	Score	.5
Exons	1453..1512, 1543..1878, 2058..2147, 2390..2917		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84799	Strand	-
Start	1453	End	2917
Name	OJ991226_43.0315.C13.o2.np	Method	AAT/NAP
Start	1542	End	2630
GI	3608128	Score	425
Exons	1542..1710, 1855..1973, 2390..2630		
GI Descrip.	(AC005314) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84800	Strand	-
Start	6439	End	6563
Name	OJ991226_43.0315.C13.o1.gp	Method	AAT/GAP
Start	6439	End	6563
GI	LIB3477-003-P1-K1-E9	Score	133
Exons	6439..6563		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84801	Strand	-
Start	11051	End	11232
Name	OJ991226_43.0315.C13.o1.ts	Method	TBLASTX:Soybean
Start	2	End	261

GI	none	Score	53
Exons	2..76, 2..61, 100..261, 135..251		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84801	Strand	-
Start	11051	End	11232
Name	OJ991226_43.0315.C13.o2.ts	Method	TBLASTX:Soybean
Start	1320	End	2555
GI	none	Score	137
Exons	1320..1394, 2382..2555, 2411..2554		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84801	Strand	-
Start	11051	End	11232
Name	OJ991226_43.0315.C13.o1.tm	Method	TBLASTX:Maize
Start	2384	End	2633
GI	none	Score	189
Exons	2384..2617, 2430..2633		

Seq. No.	40943	Seq. ID	OJ991226_43.0315.C13
Gene No.	84801	Strand	-
Start	11051	End	11232
Name	OJ991226_43.0315.C13.o3.np	Method	AAT/NAP
Start	11051	End	11232
GI	4539658	Score	39
Exons	11051..11232		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	40944	Seq. ID	OJ991226_43.0315.C14
Gene No.	84802	Strand	-
Start	579	End	753
Name	OJ991226_43.0315.C14.o1.gp	Method	AAT/GAP
Start	213	End	753
GI	none	Score	870
Exons	213..553, 644..753		

Seq. No.	40944	Seq. ID	OJ991226_43.0315.C14
Gene No.	84802	Strand	-
Start	579	End	753
Name	OJ991226_43.0315.C14.o1.gs	Method	GENSCAN
Start	579	End	729
GI	none	Score	.77
Exons	579..729		

Seq. No.	40945	Seq. ID	OJ991226_43.0315.C15
Gene No.	84803	Strand	-
Start	246	End	3300
Name	OJ991226_43.0315.C15.o1.gs	Method	GENSCAN
Start	246	End	3055
GI	none	Score	.49
Exons	246..373, 636..732, 847..1120, 2072..2419, 2925..3055		

Seq. No.	40945	Seq. ID	OJ991226_43.0315.C15
Gene No.	84803	Strand	-
Start	246	End	3300
Name	OJ991226_43.0315.C15.o1.np	Method	AAT/NAP

Start	1591	End	3300
GI	7106515	Score	738
Exons	1591..1686, 1769..2592, 3240..3300		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	40945	Seq. ID	OJ991226_43.0315.C15
Gene No.	84803	Strand	-
Start	246	End	3300
Name	OJ991226_43.0315.C15.o1.ts	Method	TBLASTX:Soybean
Start	1847	End	2029
GI	none	Score	100
Exons	1847..2029, 1869..2027		

Seq. No.	40945	Seq. ID	OJ991226_43.0315.C15
Gene No.	84803	Strand	-
Start	246	End	3300
Name	OJ991226_43.0315.C15.o1.tm	Method	TBLASTX:Maize
Start	1955	End	2275
GI	none	Score	46
Exons	1955..2029, 1958..2026, 2048..2275, 2049..2273		

Seq. No.	40945	Seq. ID	OJ991226_43.0315.C15
Gene No.	84803	Strand	-
Start	246	End	3300
Name	OJ991226_43.0315.C15.o1.tc	Method	TBLASTX:Cress
Start	2021	End	2266
GI	none	Score	201
Exons	2021..2266		

Seq. No.	40945	Seq. ID	OJ991226_43.0315.C15
Gene No.	84803	Strand	-
Start	246	End	3300
Name	OJ991226_43.0315.C15.o2.np	Method	AAT/NAP
Start	2785	End	3300
GI	5295955	Score	209
Exons	2785..3300		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	40946	Seq. ID	OJ991226_43.0315.C16
Gene No.	84804	Strand	-
Start	1	End	906
Name	OJ991226_43.0315.C16.o1.np	Method	AAT/NAP
Start	1	End	785
GI	7363272	Score	147
Exons	1..509, 731..785		
GI Descrip.	(AP001552) hypothetical protein [Oryza sativa]		

Seq. No.	40946	Seq. ID	OJ991226_43.0315.C16
Gene No.	84804	Strand	-
Start	1	End	906
Name	OJ991226_43.0315.C16.o1.gs	Method	GENSCAN
Start	42	End	906
GI	none	Score	.62
Exons	42..496, 891..906		

Seq. No.	40947	Seq. ID	OJ991226_43.0315.C28
Gene No.	84805	Strand	+
Start	1	End	384
Name	OJ991226_43.0315.C28.o1.np	Method	AAT/NAP
Start	1	End	384
GI	7248395	Score	393
Exons	1..384		
GI Descrip.	(AP001389) hypothetical protein [Oryza sativa]		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84806	Strand	+
Start	1	End	200
Name	OJ991226_43.0315.C36.o1.gp	Method	AAT/GAP
Start	1	End	200
GI	none	Score	368
Exons	1..200		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84807	Strand	+
Start	6506	End	7141
Name	OJ991226_43.0315.C36.o2.gs	Method	GENSCAN
Start	6506	End	7141
GI	none	Score	.43
Exons	6506..6524, 6992..7141		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o1.gs	Method	GENSCAN
Start	17	End	4304
GI	none	Score	.51
Exons	17..914, 2310..2492, 4063..4304		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o1.np	Method	AAT/NAP
Start	32	End	1092
GI	7433186	Score	645
Exons	32..1092		
GI Descrip.	SRG1 protein-related protein F24A6.150 - Arabidopsis thaliana gi|4454019|emb|CAA23072.1| (AL035396) SRG1-like protein [Arabidopsis thaliana] gi|7269382|emb|CAB81342.1| (AL161563) SRG1-like protein [Arabidopsis thaliana]		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o1.ts	Method	TBLASTX:Soybean
Start	77	End	874
GI	none	Score	104
Exons	77..430, 174..431, 197..436, 443..472, 509..604, 623..874, 648..863		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-

Start	17	End	4319
Name	OJ991226_43.0315.C36.o1.tc	Method	TBLASTX:Cress
Start	137	End	538
GI	none	Score	187
Exons	137..445, 153..431, 431..538		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o1.tm	Method	TBLASTX:Maize
Start	290	End	1066
GI	none	Score	48
Exons	290..382, 302..361, 365..421, 446..478, 518..619, 605..898,	365..457, 388..459, 621..860,	446..478, 905..937, 1034..1066

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o2.tc	Method	TBLASTX:Cress
Start	620	End	895
GI	none	Score	163
Exons	620..895, 651..863		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o2.gp	Method	AAT/GAP
Start	654	End	1146
GI	27137_1.R1084	Score	904
Exons	654..1146		
GI Descrip.	'629561/pir||S44261 2.0e-13 SRG1 protein - Arabidopsis thaliana >gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana] >gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]'		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o2.np	Method	AAT/NAP
Start	2609	End	4316
GI	5091604	Score	141
Exons	2609..2631, 4025..4316		
GI Descrip.	(AC007858) 10A19I.8 [Oryza sativa]		

Seq. No.	40948	Seq. ID	OJ991226_43.0315.C36
Gene No.	84808	Strand	-
Start	17	End	4319
Name	OJ991226_43.0315.C36.o2.tm	Method	TBLASTX:Maize
Start	4122	End	4319
GI	none	Score	122
Exons	4122..4319, 4123..4305		

Seq. No.	40949	Seq. ID	OJ991226_43.0315.C38
Gene No.	84809	Strand	+
Start	1	End	714
Name	OJ991226_43.0315.C38.o1.np	Method	AAT/NAP
Start	1	End	714

GI	7106515	Score	510
Exons	1..473, 602..714		
GI Descrip.	(AP001278) Similar to Arabidopsis thaliana chromosome II BAC T13P21 genomic sequence, putative helicase. (AC006067) [Oryza sativa]		

Seq. No.	40949	Seq. ID	OJ991226_43.0315.C38
Gene No.	84809	Strand	+
Start	1	End	714
Name	OJ991226_43.0315.C38.o1.tw	Method	TBLASTX:Wheat
Start	31	End	413
GI	none	Score	252
Exons	31..327, 108..326, 351..413		

Seq. No.	40949	Seq. ID	OJ991226_43.0315.C38
Gene No.	84809	Strand	+
Start	1	End	714
Name	OJ991226_43.0315.C38.o1.tm	Method	TBLASTX:Maize
Start	67	End	641
GI	none	Score	253
Exons	67..339, 105..326, 333..482, 343..453, 580..606, 603..641		

Seq. No.	40949	Seq. ID	OJ991226_43.0315.C38
Gene No.	84809	Strand	+
Start	1	End	714
Name	OJ991226_43.0315.C38.o1.gs	Method	GENSCAN
Start	156	End	463
GI	none	Score	.71
Exons	156..463		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84810	Strand	+
Start	9352	End	12527
Name	OJ991226_44.0309.C1.o2.gs	Method	GENSCAN
Start	9352	End	12527
GI	none	Score	.62
Exons	9352..9436, 9506..9534, 9616..9810, 11494..11687, 11764..12222, 12428..12527		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84811	Strand	+
Start	19009	End	20675
Name	OJ991226_44.0309.C1.o4.gs	Method	GENSCAN
Start	19009	End	20675
GI	none	Score	.52
Exons	19009..19081, 19591..19667, 20568..20675		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84812	Strand	+
Start	24239	End	30896
Name	OJ991226_44.0309.C1.o6.gs	Method	GENSCAN
Start	24239	End	30896
GI	none	Score	.45
Exons	24239..24400, 24503..24613, 25576..25698, 26070..26280, 26370..26445, 26615..26663, 26707..26862, 26927..27015, 28703..30256, 30401..30896		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84812	Strand	+
Start	24239	End	30896
Name	OJ991226_44.0309.C1.o3.np	Method	AAT/NAP
Start	28321	End	30875
GI	7486341	Score	1130
Exons	28321..30875		
GI Descrip.	hypothetical protein F28P10.40 - Arabidopsis thaliana gi|4678295|emb|CAB41086.1| (AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84813	Strand	-
Start	10616	End	12294
Name	OJ991226_44.0309.C1.o1.gp	Method	AAT/GAP
Start	10616	End	12294
GI	21017_1.R1084	Score	2652
Exons	10616..12294		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-22 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84814	Strand	-
Start	13654	End	18168
Name	OJ991226_44.0309.C1.o4.gp	Method	AAT/GAP
Start	13654	End	18037
GI	15151_1.R1084	Score	1430
Exons	13654..14105, 14252..14331, 14426..14492, 17650..17700, 17825..17904, 18003..18037		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84814	Strand	-
Start	13654	End	18168
Name	OJ991226_44.0309.C1.o3.gs	Method	GENSCAN
Start	14040	End	18168
GI	none	Score	.85
Exons	14040..14105, 14252..14331, 14426..14492, 17650..17700, 17825..17997, 18003..18168		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84814	Strand	-
Start	13654	End	18168
Name	OJ991226_44.0309.C1.o1.np	Method	AAT/NAP
Start	14043	End	18168
GI	7489630	Score	750
Exons	14043..14105, 14252..14331, 14426..14492, 17650..17700, 17825..17904, 18003..18168		
GI Descrip.	probable cytochrome-c oxidase (EC 1.9.3.1) Vb chain precursor - rice mitochondrion gi|1841355|dbj|BAA12797.1| (D85381) cytochrome c oxidase subunit Vb precursor [Oryza sativa]		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84815	Strand	-
Start	22888	End	23741
Name	OJ991226_44.0309.C1.o5.gs	Method	GENSCAN

Start	22888	End	23741
GI	none	Score	.86
Exons	22888..23350, 23431..23741		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84815	Strand	-
Start	22888	End	23741
Name	OJ991226_44.0309.C1.o2.np	Method	AAT/NAP
Start	22891	End	23735
GI	7489554	Score	889
Exons	22891..23350, 23446..23735		
GI Descrip.	probable ribosomal protein S11, mitochondrial - rice gi|1841357|dbj|BAA12798.1| (D85382) mitochondrial ribosomal protein S11 (nuclear encoded) [Oryza sativa]		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84816	Strand	-
Start	31938	End	32776
Name	OJ991226_44.0309.C1.o7.gs	Method	GENSCAN
Start	31938	End	32776
GI	none	Score	.85
Exons	31938..31964, 32173..32212, 32700..32776		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84817	Strand	-
Start	34636	End	38996
Name	OJ991226_44.0309.C1.o8.gs	Method	GENSCAN
Start	34636	End	38996
GI	none	Score	.8
Exons	34636..34953, 35589..35837, 36063..36198, 37348..37566, 38929..38996		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84817	Strand	-
Start	34636	End	38996
Name	OJ991226_44.0309.C1.o4.np	Method	AAT/NAP
Start	34666	End	38883
GI	4733937	Score	738
Exons	34666..34953, 35589..35837, 36051..36198, 37348..37566, 37651..38022, 38271..38560, 38751..38883		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o5.tm	Method	TBLASTX:Maize
Start	13749	End	14495
GI	none	Score	51
Exons	13749..13799, 13749..13799, 13750..13800, 13791..13892, 13791..13874, 13793..13891, 13796..13927, 13873..13932, 13873..13929, 13874..13933, 13925..13954, 13929..13958, 13929..13976, 13971..14030, 13982..14089, 13990..14031, 14032..14106, 14241..14333, 14249..14332, 14427..14495, 14428..14493		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-

Start	43472	End	44190
Name	OJ991226_44.0309.C1.o3.ts	Method	TBLASTX:Soybean
Start	14249	End	17887
GI	none	Score	72
Exons	14249..14332, 14252..14332, 14253..14333, 14427..14495, 14428..14493, 17632..17721, 17825..17887		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o4.tc	Method	TBLASTX:Cress
Start	14255	End	17895
GI	none	Score	78
Exons	14255..14332, 14256..14333, 14427..14495, 14428..14493, 17632..17721, 17825..17887, 17872..17895		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o2.tm	Method	TBLASTX:Maize
Start	22779	End	23266
GI	none	Score	59
Exons	22779..22883, 22888..23262, 22892..23197, 22922..23266, 23109..23264		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o2.ts	Method	TBLASTX:Soybean
Start	22877	End	23262
GI	none	Score	211
Exons	22877..23197, 22879..23256, 23068..23262		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o1.tw	Method	TBLASTX:Wheat
Start	22900	End	23110
GI	none	Score	113
Exons	22900..23028, 22900..23106, 22907..23107, 22931..23110		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o2.tc	Method	TBLASTX:Cress
Start	22900	End	23298
GI	none	Score	111
Exons	22900..22938, 22957..23298, 22991..23119		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o3.tc	Method	TBLASTX:Cress
Start	24359	End	25469
GI	none	Score	76
Exons	24359..24400, 24503..24613, 25200..25298, 25201..25299, 25203..25301, 25366..25464, 25371..25469, 25371..25460		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o4.tm	Method	TBLASTX:Maize
Start	25380	End	27239
GI	none	Score	137
Exons	25380..25478, 25380..25460, 25381..25500, 25573..25641, 25575..25637, 25616..25699, 25630..25698, 25638..25724, 25639..25704, 26054..26140, 26070..26198, 26139..26225, 26344..26466, 26358..26468, 26363..26473, 26567..26662, 26568..26660, 26767..26874, 26794..26862, 26801..26863, 26937..27017, 26948..27046, 26950..27018, 27174..27239, 27177..27239		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o1.ts	Method	TBLASTX:Soybean
Start	28992	End	30827
GI	none	Score	115
Exons	28992..29255, 29037..29642, 29208..29585, 29355..29642, 29381..29641, 29460..29576, 29613..30389, 29643..30497, 29727..29951, 29733..30110, 29808..29957, 29910..30038, 29940..30824, 30050..30517, 30053..30280, 30396..30587, 30471..30827, 30474..30827, 30563..30742		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o1.tc	Method	TBLASTX:Cress
Start	29007	End	30791
GI	none	Score	100
Exons	29007..29345, 29094..29315, 29241..29414, 29292..29522, 29313..29639, 29412..29642, 29619..29951, 29640..29870, 29670..29825, 29724..30059, 29817..29963, 29844..30194, 29934..30149, 29943..30266, 30075..30395, 30089..30205, 30144..30347, 30159..30476, 30191..30328, 30228..30470, 30276..30581, 30357..30578, 30443..30757, 30459..30788, 30549..30791		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o1.tm	Method	TBLASTX:Maize
Start	29031	End	30827
GI	none	Score	145
Exons	29031..29543, 29238..29615, 29384..29620, 29625..29882, 29643..29861, 29652..30065, 29655..29882, 29712..29861, 29853..30386, 29862..30389, 30075..30488, 30237..30593, 30288..30809, 30365..30661, 30393..30827, 30467..30766, 30597..30827		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o2.tw	Method	TBLASTX:Wheat

Start	34666	End	35016
GI	none	Score	84
Exons	34666..34809, 34813..35016, 34820..34945		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o6.tm	Method	TBLASTX:Maize
Start	34681	End	35018
GI	none	Score	93
Exons	34681..34956, 34786..34956, 34809..35018, 34892..34978		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o3.tm	Method	TBLASTX:Maize
Start	35598	End	38003
GI	none	Score	114
Exons	35598..35639, 35658..35852, 35680..35826, 36063..36194, 37347..37568, 37358..37570, 37362..37520, 37382..37567, 37656..37733, 37663..37731, 37737..37841, 37738..37836, 37867..37995, 37869..38003, 37869..38003		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o4.ts	Method	TBLASTX:Soybean
Start	37302	End	37769
GI	none	Score	82
Exons	37302..37565, 37650..37769		

Seq. No.	40950	Seq. ID	OJ991226_44.0309.C1
Gene No.	84818	Strand	-
Start	43472	End	44190
Name	OJ991226_44.0309.C1.o9.gs	Method	GENSCAN
Start	43472	End	44190
GI	none	Score	.9
Exons	43472..43774, 43829..43912, 44122..44190		

Seq. No.	40951	Seq. ID	OJ991226_44.0309.C2
Gene No.	84819	Strand	+
Start	315	End	588
Name	OJ991226_44.0309.C2.o1.gs	Method	GENSCAN
Start	315	End	588
GI	none	Score	.64
Exons	315..382, 567..588		

Seq. No.	40952	Seq. ID	OJ991226_44.0309.C3
Gene No.	84820	Strand	+
Start	933	End	2118
Name	OJ991226_44.0309.C3.o1.gs	Method	GENSCAN
Start	933	End	2118
GI	none	Score	.6
Exons	933..1068, 1991..2118		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84821	Strand	+

Start	4280	End	12775
Name	OJ991226_44.0309.C4.o2.gs	Method	GENSCAN
Start	4280	End	12775
GI	none	Score	.52
Exons	4280..4291, 4493..4639, 5554..5737, 5792..6052, 8324..8707, 8809..9061, 9164..9327, 11803..11852, 12017..12313, 12368..12775		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84821	Strand	+
Start	4280	End	12775
Name	OJ991226_44.0309.C4.o1.np	Method	AAT/NAP
Start	4550	End	10156
GI	4416302	Score	1876
Exons	4550..6157, 6750..6875, 7900..8383, 8537..8871, 9593..10156		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o5.tm	Method	TBLASTX:Maize
Start	4378	End	4738
GI	none	Score	105
Exons	4378..4470, 4380..4472, 4499..4738, 4507..4731		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o3.tw	Method	TBLASTX:Wheat
Start	4514	End	4828
GI	none	Score	214
Exons	4514..4828, 4531..4749		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o3.tm	Method	TBLASTX:Maize
Start	4741	End	5128
GI	none	Score	86
Exons	4741..4872, 4742..4870, 4860..5066, 4861..5082, 4861..5124, 4865..5125, 4877..5128		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o1.tw	Method	TBLASTX:Wheat
Start	4903	End	5469
GI	none	Score	235
Exons	4903..5127, 4904..5149, 5072..5128, 5189..5356, 5298..5354, 5362..5466, 5391..5465, 5392..5469		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	5138	End	5937
GI	none	Score	90
Exons	5138..5209, 5153..5386, 5164..5211, 5209..5355, 5294..5728,		

5332..5826, 5340..5786, 5838..5867, 5839..5937, 5869..5925, 5887..5925

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o2.ts	Method	TBLASTX:Soybean
Start	5362	End	5778
GI	none	Score	270
Exons	5362..5778, 5373..5495, 5574..5726		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o4.tw	Method	TBLASTX:Wheat
Start	5560	End	5901
GI	none	Score	92
Exons	5560..5637, 5644..5790, 5653..5790, 5812..5901, 5838..5891		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o3.ts	Method	TBLASTX:Soybean
Start	6013	End	9539
GI	5509260	Score	110
Exons	6013..6126, 9349..9534, 9349..9534, 9360..9539, 9360..9539		
GI Descrip.	-		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	6119	End	10135
GI	none	Score	126
Exons	6119..6340, 6130..6288, 9677..9766, 9770..9904, 9908..10135, 9916..10098		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	6128	End	10209
GI	none	Score	289
Exons	6128..6355, 6130..6369, 9605..10150, 9607..10164, 10051..10209, 10053..10175		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o1.ts	Method	TBLASTX:Soybean
Start	6128	End	10162
GI	none	Score	141
Exons	6128..6343, 6148..6294, 9611..9880, 9613..9873, 9629..9880, 9914..10162, 9922..10089		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-

Start	13102	End	14411
Name	OJ991226_44.0309.C4.o5.tw	Method	TBLASTX:Wheat
Start	6128	End	10102
GI	none	Score	98
Exons	6128..6295, 9686..9895, 9790..9870, 9914..10102, 9971..10090		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o2.tw	Method	TBLASTX:Wheat
Start	9349	End	9525
GI	none	Score	228
Exons	9349..9525, 9360..9524		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o4.tm	Method	TBLASTX:Maize
Start	9349	End	9603
GI	none	Score	316
Exons	9349..9603, 9360..9599		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o2.np	Method	AAT/NAP
Start	13049	End	14411
GI	6815053	Score	75
Exons	13049..13080, 14318..14411		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	40953	Seq. ID	OJ991226_44.0309.C4
Gene No.	84822	Strand	-
Start	13102	End	14411
Name	OJ991226_44.0309.C4.o3.gs	Method	GENSCAN
Start	13102	End	14367
GI	none	Score	.75
Exons	13102..13250, 14173..14367		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84823	Strand	+
Start	1	End	4413
Name	OJ991226_44.0309.C5.o1.np	Method	AAT/NAP
Start	1	End	1941
GI	6721516	Score	605
Exons	1..43, 735..980, 1352..1684, 1900..1941		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84823	Strand	+
Start	1	End	4413
Name	OJ991226_44.0309.C5.o2.np	Method	AAT/NAP
Start	1	End	4413
GI	6721516	Score	637
Exons	1..43, 735..980, 1352..1615, 4140..4413		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84824	Strand	+
Start	5940	End	6165
Name	OJ991226_44.0309.C5.o1.gp	Method	AAT/GAP
Start	5940	End	6165
GI	2312838	Score	80
Exons	5940..6001, 6144..6165		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84825	Strand	+
Start	10186	End	11569
Name	OJ991226_44.0309.C5.o3.gs	Method	GENSCAN
Start	10186	End	11569
GI	none	Score	.78
Exons	10186..10581, 10677..10931, 11000..11569		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84826	Strand	-
Start	1	End	10539
Name	OJ991226_44.0309.C5.o3.np	Method	AAT/NAP
Start	1	End	10539
GI	4835757	Score	171
Exons	1..19, 6503..6762, 6884..6990, 8235..8273, 10377..10539		
GI Descrip.	(AC007202) EST gb|AA404917 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84826	Strand	-
Start	1	End	10539
Name	OJ991226_44.0309.C5.o1.gs	Method	GENSCAN
Start	448	End	4040
GI	none	Score	.61
Exons	448..519, 1004..1069, 2893..3373, 3506..4040		

Seq. No.	40954	Seq. ID	OJ991226_44.0309.C5
Gene No.	84826	Strand	-
Start	1	End	10539
Name	OJ991226_44.0309.C5.o2.gs	Method	GENSCAN
Start	8025	End	8238
GI	none	Score	.91
Exons	8025..8156, 8161..8238		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84827	Strand	+
Start	3578	End	6007
Name	OJ991226_44.0309.C6.o2.gs	Method	GENSCAN
Start	3578	End	4646
GI	none	Score	.83
Exons	3578..3614, 4090..4646		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84827	Strand	+
Start	3578	End	6007
Name	OJ991226_44.0309.C6.o2.np	Method	AAT/NAP
Start	3903	End	6007

GI	5420389	Score	212
Exons	3903..4607, 5954..6007		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84828	Strand	-
Start	350	End	3002
Name	OJ991226_44.0309.C6.o1.gp	Method	AAT/GAP
Start	350	End	918
GI	58_1.R1084	Score	846
Exons	350..753, 844..918		
GI Descrip.	'5360230/dbj|BAA81911.1| 1.0e-115 (AB015287) Ran [Oryza sativa]'		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84828	Strand	-
Start	350	End	3002
Name	OJ991226_44.0309.C6.o1.gs	Method	GENSCAN
Start	684	End	2883
GI	none	Score	.97
Exons	684..753, 844..921, 1007..1186, 1262..1351, 1930..2047, 2136..2192, 2701..2770, 2881..2883		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84828	Strand	-
Start	350	End	3002
Name	OJ991226_44.0309.C6.o1.np	Method	AAT/NAP
Start	687	End	2773
GI	2149051	Score	968
Exons	687..753, 844..921, 1007..1186, 1262..1351, 1930..2047, 2136..2192, 2701..2773		
GI Descrip.	(U73810) small Ras-like GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84828	Strand	-
Start	350	End	3002
Name	OJ991226_44.0309.C6.o2.gp	Method	AAT/GAP
Start	1140	End	3002
GI	30676_1.R1084	Score	863
Exons	1140..1186, 1262..1351, 1930..2047, 2136..2192, 2701..2770, 2881..3002		
GI Descrip.	'2507281/sp|P41917|RAN2_ARATH 5.0e-55 GTP-BINDING NUCLEAR PROTEIN RAN-2 >gi_1668706_emb_CAA66048_ (X97380) atran2 [Arabidopsis thaliana]'		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84829	Strand	-
Start	6754	End	9180
Name	OJ991226_44.0309.C6.o3.gs	Method	GENSCAN
Start	6754	End	9057
GI	none	Score	.97
Exons	6754..7799, 8982..9057		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84829	Strand	-
Start	6754	End	9180
Name	OJ991226_44.0309.C6.o3.np	Method	AAT/NAP

Start	6781	End	7865
GI	7488898	Score	1262
Exons	6781..7865		
GI Descrip.	hypothetical protein - castor bean gi|1621268|emb|CAB02653.1| (Z81012) unknown [Ricinus communis]		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84829	Strand	-
Start	6754	End	9180
Name	OJ991226_44.0309.C6.o3.gp	Method	AAT/GAP
Start	7051	End	9180
GI	41091_2.R1084	Score	1738
Exons	7051..7799, 8982..9180		
GI Descrip.	'1621268/emb|CAB02653| 1.0e-86 (Z81012) unknown [Ricinus communis]'		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o1.tw	Method	TBLASTX:Wheat
Start	675	End	2955
GI	none	Score	58
Exons	675..752, 683..751, 843..920, 844..921, 1003..1188, 1006..1188, 1007..1189, 1007..1192, 1261..1350, 1261..1350, 1262..1351, 1262..1351, 1929..2042, 1930..1977, 1932..2045, 1969..2052, 2137..2193, 2145..2192, 2159..2221, 2708..2770, 2717..2770, 2718..2771, 2860..2955		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o2.tc	Method	TBLASTX:Cress
Start	843	End	1994
GI	none	Score	87
Exons	843..920, 844..921, 1006..1188, 1007..1189, 1022..1192, 1023..1196, 1261..1350, 1262..1351, 1929..1994, 1930..1977, 1932..1994		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o2.tm	Method	TBLASTX:Maize
Start	843	End	2770
GI	none	Score	71
Exons	843..920, 844..921, 1006..1188, 1007..1189, 1007..1192, 1261..1350, 1262..1351, 1277..1351, 1929..2042, 1930..1977, 1932..2045, 1969..2052, 2137..2193, 2159..2221, 2699..2770, 2717..2770		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o2.ts	Method	TBLASTX:Soybean
Start	843	End	2771
GI	none	Score	96
Exons	843..920, 844..921, 1000..1188, 1006..1191, 1007..1189, 1252..1350, 1253..1351, 1260..1355, 1268..1351, 1278..1352,		

1930..2037, 1932..2045, 1969..2052, 2137..2193, 2138..2194,
2159..2221, 2696..2761, 2717..2770, 2718..2771

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o1.tm	Method	TBLASTX:Maize
Start	6521	End	7816
GI	none	Score	660
Exons	6521..6640, 6760..7296, 6782..7291, 7190..7306, 7297..7395, 7300..7527, 7301..7513, 7495..7800, 7517..7816		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o1.ts	Method	TBLASTX:Soybean
Start	6778	End	7804
GI	none	Score	63
Exons	6778..6837, 6788..6853, 6877..7491, 6878..7492, 7492..7773, 7493..7765, 7735..7800, 7766..7804		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o1.tc	Method	TBLASTX:Cress
Start	6811	End	7501
GI	none	Score	523
Exons	6811..6834, 6838..7500, 6839..7501		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o2.tw	Method	TBLASTX:Wheat
Start	7261	End	7533
GI	none	Score	108
Exons	7261..7329, 7291..7533, 7292..7531		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o3.tc	Method	TBLASTX:Cress
Start	7501	End	7807
GI	none	Score	217
Exons	7501..7764, 7502..7774, 7750..7800, 7754..7807		

Seq. No.	40955	Seq. ID	OJ991226_44.0309.C6
Gene No.	84830	Strand	-
Start	9229	End	11985
Name	OJ991226_44.0309.C6.o4.gs	Method	GENSCAN
Start	9229	End	11985
GI	none	Score	.51
Exons	9229..9355, 9409..9544, 9729..9836, 10302..10515, 11238..11370, 11752..11881, 11922..11985		

Seq. No.	40956	Seq. ID	OJ991226_44.0309.C7
Gene No.	84831	Strand	+
Start	217	End	1083

Name	OJ991226_44.0309.C7.o1.gs	Method	GENSCAN
Start	217	End	1083
GI	none	Score	.87
Exons	217..358, 1010..1083		

Seq. No.	40957	Seq. ID	OJ991226_44.0309.C8
Gene No.	84832	Strand	-
Start	1	End	646
Name	OJ991226_44.0309.C8.o1.np	Method	AAT/NAP
Start	1	End	646
GI	2498930	Score	748
Exons	1..418, 586..646		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o1.gp	Method	AAT/GAP
Start	1	End	718
GI	7587_1.R1084	Score	1377
Exons	1..718		
GI Descrip.	'131283/sp|P12158|PSBC_ORYSA 2.0e-85 PHOTOSYSTEM II 44 KD REACTION CENTER PROTEIN (P6 PROTEIN) (CP43) >gi_72710_pir__F2RZ44 photosystem II chlorophyll a-binding protein psbC - rice chloroplast >gi_11965_emb_CAA34014_ (X15901) PSII 43kDa protein [Oryza sativa]'		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o1.ts	Method	TBLASTX:Soybean
Start	1	End	704
GI	none	Score	759
Exons	1..420, 3..419, 282..704, 356..667, 391..672		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o1.tw	Method	TBLASTX:Wheat
Start	1	End	407
GI	none	Score	712
Exons	1..405, 1..405, 3..407		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	245
GI	none	Score	426
Exons	1..243, 1..243, 3..245		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o1.tc	Method	TBLASTX:Cress
Start	1	End	671

GI	none	Score	745
Exons	1..420, 3..419, 234..422, 282..671, 422..670		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o2.tm	Method	TBLASTX:Maize
Start	246	End	707
GI	none	Score	318
Exons	246..419, 247..420, 363..677, 391..678, 392..664, 675..707, 676..705		

Seq. No.	40958	Seq. ID	OJ991226_47.0309.C1
Gene No.	84833	Strand	+
Start	1	End	718
Name	OJ991226_47.0309.C1.o2.tw	Method	TBLASTX:Wheat
Start	413	End	705
GI	none	Score	368
Exons	413..664, 423..704, 424..705, 427..705		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84834	Strand	+
Start	1	End	321
Name	OJ991226_47.0309.C2.o1.gp	Method	AAT/GAP
Start	1	End	321
GI	5607533	Score	500
Exons	1..321		
GI Descrip.	11957/emb|X15901|CHOSXX 1.0e-145 Rice complete chloroplast genome		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84835	Strand	-
Start	204	End	661
Name	OJ991226_47.0309.C2.o2.gp	Method	AAT/GAP
Start	204	End	661
GI	45273_1.R1084	Score	709
Exons	204..661		
GI Descrip.	'1022811 4.0e-21 (U37703) ORF 62 [Hordeum vulgare]'		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84836	Strand	-
Start	1050	End	1405
Name	OJ991226_47.0309.C2.o1.tm	Method	TBLASTX:Maize
Start	12	End	625
GI	none	Score	77
Exons	12..101, 13..60, 72..110, 72..110, 199..276, 209..265, 214..276, 241..573, 246..296, 259..297, 263..520, 299..580, 300..569, 436..573, 586..624, 587..625		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84836	Strand	-
Start	1050	End	1405
Name	OJ991226_47.0309.C2.o1.tc	Method	TBLASTX:Cress
Start	13	End	526
GI	none	Score	45
Exons	13..51, 92..160, 123..155, 221..259, 221..250, 312..518, 317..526		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84836	Strand	-
Start	1050	End	1405
Name	OJ991226_47.0309.C2.o1.ts	Method	TBLASTX:Soybean
Start	298	End	520
GI	none	Score	172
Exons	298..486, 309..518, 317..520		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84836	Strand	-
Start	1050	End	1405
Name	OJ991226_47.0309.C2.o2.tm	Method	TBLASTX:Maize
Start	1038	End	1405
GI	none	Score	44
Exons	1038..1064, 1188..1265, 1192..1347, 1194..1349, 1195..1350, 1343..1402, 1346..1405		

Seq. No.	40959	Seq. ID	OJ991226_47.0309.C2
Gene No.	84836	Strand	-
Start	1050	End	1405
Name	OJ991226_47.0309.C2.o3.gp	Method	AAT/GAP
Start	1050	End	1225
GI	306_9.R1084	Score	239
Exons	1050..1225		
GI Descrip.	'287391/dbj|D13111|RICMT15 1.0e-178 Oxyza sativa mitochondrial rpoB pseudogene'		

Seq. No.	40960	Seq. ID	OJ991226_47.0309.C4
Gene No.	84837	Strand	
Start	762	End	965
Name	OJ991226_47.0309.C4.o2.tm	Method	TBLASTX:Maize
Start	762	End	965
GI	none	Score	106
Exons	762..836, 763..837, 764..835, 822..965, 830..955		

Seq. No.	40960	Seq. ID	OJ991226_47.0309.C4
Gene No.	84838	Strand	
Start	1819	End	1996
Name	OJ991226_47.0309.C4.o1.tc	Method	TBLASTX:Cress
Start	1819	End	1956
GI	none	Score	196
Exons	1819..1956, 1820..1951, 1851..1955		

Seq. No.	40960	Seq. ID	OJ991226_47.0309.C4
Gene No.	84838	Strand	
Start	1819	End	1996
Name	OJ991226_47.0309.C4.o1.tm	Method	TBLASTX:Maize
Start	1825	End	1996
GI	none	Score	263
Exons	1825..1989, 1826..1996, 1826..1990, 1827..1991		

Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84839	Strand	-
Start	1644	End	1774
Name	OJ991226_47.0309.C5.o3.ts	Method	TBLASTX:Soybean
Start	207	End	344

GI	none	Score	128
Exons	207..335, 222..344		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84839	Strand	-
Start	1644	End	1774
Name	OJ991226_47.0309.C5.o1.gp	Method	AAT/GAP
Start	1644	End	1774
GI	5607624	Score	215
Exons	1644..1774		
GI Descrip.	287391/dbj|D13111|RICMT15 1.0e-178 Oryza sativa mitochondrial rpoB pseudogene		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84840	Strand	
Start	1696	End	2353
Name	OJ991226_47.0309.C5.o2.tc	Method	TBLASTX:Cress
Start	1696	End	2266
GI	none	Score	38
Exons	1696..1731, 1701..1730, 1748..1822, 1749..1823, 1873..2145, 1881..2147, 1881..2144, 1883..2146, 2148..2264, 2149..2259, 2159..2266, 2159..2266		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84840	Strand	
Start	1696	End	2353
Name	OJ991226_47.0309.C5.o2.ts	Method	TBLASTX:Soybean
Start	1740	End	2146
GI	none	Score	51
Exons	1740..1814, 1743..1847, 1760..1834, 1762..1857, 1851..2144, 1853..2146, 1882..2145		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84840	Strand	
Start	1696	End	2353
Name	OJ991226_47.0309.C5.o1.tm	Method	TBLASTX:Maize
Start	1761	End	2159
GI	none	Score	542
Exons	1761..2159, 1763..2158		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84840	Strand	
Start	1696	End	2353
Name	OJ991226_47.0309.C5.o2.tm	Method	TBLASTX:Maize
Start	2160	End	2353
GI	none	Score	304
Exons	2160..2345, 2160..2351, 2162..2350, 2162..2353		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5
Gene No.	84841	Strand	
Start	2346	End	3342
Name	OJ991226_47.0309.C5.o1.tc	Method	TBLASTX:Cress
Start	2346	End	2707
GI	none	Score	483
Exons	2346..2705, 2348..2707, 2348..2662, 2362..2706		
Seq. No.	40961	Seq. ID	OJ991226_47.0309.C5